References

Al-Zahrani, M. A. and Moied, K. (2003). "Optimizing water quality monitoring stations using genetic algorithms." *Arabian Journal for Science and Engineering*, 28(1B), 57–75.

Alperovits, E. and Shamir, U. (1977). "Design of optimal water distribution systems." *Water Resources Research*, 13(6), 885–990.

Arabas, J., Michalewicz, Z., and Mulawka, J. J. (1994). "GAVaPS - a genetic algorithm with varying population size.." *International Conference on Evolutionary Computation*. 73–78.

Bäck, T. (1992). "Self-adaption in genetic algorithms." *Proceedings of the First European Conference on Artificial Life*, F. Varela and P. Bourgine, eds., Cambridge, MA. MIT Press, 263–271.

Bäck, T., Eiben, A. E., and van der Vaart, N. (2000). "An empirical study on GAs "without parameters"." *Parallel Problem Solving from Nature—PPSN VI*, M. Schoenauer, K. Deb, G. Rudolph, X. Yao, E. Lutton, J. J. Merelo, and H.-P. Schwefel, eds., Vol. 1917 of *Lecture Notes in Computer Science*, Paris, France. Springer Verlag, 315–324.

Bäck, T. and Schütz, M. (1996). "Intelligent mutation rate control in canonical genetic algorithms." *International Syposium on Methodologies for Intelligent Systems*, Berlin, Germany. Springer-Verlag, 158–167.

Bäck, T. and Schwefel, H.-P. (1993). "An overview of evolutionary algorithms for parameter optimisation." *Evolutionary Computation*, 1(1), 1–23.

Beyer, H. G. and Deb, K. (2001). "On self-adaptive features in real-parameter evolutionary algorithms." *IEEE Transactions on Evolutionary Computation*, 5(3), 250–270.

Boccelli, D. L., Tryby, M. E., Uber, J. G., Rossman, L. A., Zierolf, M. L., and Polycarpou, M. M. (1998). "Optimal scheduling of booster disinfection in water distribution systems." *Journal of Water Resources Planning Management–ASCE*, 124(2), 99–111.

Boeringer, D. W., Werner, D. H., and Machuga, D. W. (2005). "A simultaneous parameter adaptation scheme for genetic-algorithms with application to phased array synthesis." *IEEE Transactions on Antennas and Propagation*, 53(1), 356–371. Part 2.

Bracewell, R. (1965). *The Fourier Transform and Its Applications*. McGraw-Hill, Inc, second edition.

Calegari, P., Coray, G., Hertz, A., Kobler, D., and Kuonen, P. (1999). "A taxonomy of evolutionary algorithms in combinatorial optimization." *Journal of Heuristics*, 5(2), 145–158.

Cantú-Paz, E. and Goldberg, D. E. (2003). "Are multiple runs of genetic algorithms better than one?." *Genetic and Evolutionary Computation—GECCO 2003*, E. Cantú-Paz, J. A. Foster, K. Deb, L. Davis, R. Roy, U.-M. O'Reilly, H.-G. Beyer, R. K. Standish, G. Kendall, S. W. Wilson, M. Harman, J. Wegener, D. Dasgupta, M. A. Potter, A. C. Schultz, K. A. Dowsland, N. Jonoska, and J. F. Miller, eds., Vol. 2723 of *Lecture Notes in Computer Science*. Springer, 801–812.

Caruana, R. A. and Schaffer, J. (1988). "Representation and hidden bias: Gray versus binary coding for genetic algorithms." *Proceedings of 5th International Conference on Machine Learning*, J. Laird, ed., San Mateo, CA. Morgan Kaufmann, 153–161.

Coello Coello, C. A. (2000). "Constraint-handling using an evolutionary multiobjective optimization technique." *Civil Engineering and Environmental Systems*, 17, 319–346.

Coello Coello, C. A. (2002). "Theoretical and numerical constraint-handling techniques used with evolutionary algorithms: a survey of the state of the art." *Computer Methods in Applied Mechanics and Engineering*, 191(11-12), 1245–1287.

Coit, D., Smith, A., and Tate, D. (1996). "Adaptive penalty methods for genetic optimization of constrained combinatorial problems." *INFORMS Journal on Computing*, 8(2), 173–182.

Cover, T. M. and Thomas, J. A. (1991). *Elements of Information Theory*. John Wiley, New York.

Culberson, J. and Lichtner, J. (1996). "On searching 'alpha'-ary hypercubes and related graphs." *Foundations of Genetic Algorithms 4*, R. Belew and M. Vose, eds., Morgan Kaufmann, 263–290.

Dandy, G. C. and Engelhardt, M. (2001). "Optimum scheduling of water pipe replacement using genetic algorithms." *Journal of Water Resources Planning and Management*, 127(4), 214–223.

Dandy, G. C., Simpson, A. R., and Murphy, L. J. (1993). "A review of pipe network optimisation techniques." *Watercomp '93, 2nd Australasian Conference on Computing for the Water Industry Today and Tomorrow*, Regent Hotel, Melbourne, Australia. The Institution of Engineers, Australia, 373–383.

Dandy, G. C., Simpson, A. R., and Murphy, L. J. (1996). "An improved genetic algorithm for pipe network optimization." *Water Resources Research*, 32(2), 449–458.

Davidor, Y. (1991). "Epistasis variance: A viewpoint on GA-hardness." *Foundations of Genetic Algorithms*, G. Rawlins, ed., Morgan Kaufmann, 23–35.

De Jong, K., Spears, W., and Gordon, D. (1995). "using markov chains to analyse GAFOs." *Foundations of Genetic Algorithms 3*, L. Whitley and M. Vose, eds., Morgan Kaufmann, 115–137.

De Jong, K. A. (1975). "An analysis of the behaviour of a class of genetic adaptive systems," PhD thesis, University of Michigan.

Deb, K. and Agrawal, R. (1995). "Simulated binary crossover for continuous search space." *Complex Systems*, 9, 115–148.

Eiben, A. E., Hinterding, R., and Michalewicz, Z. (1999). "Parameter control in evolutionary algorithms." *IEEE Transactions on Evolutionary Computation*, 3(2), 124–141.

Eiben, A. E., Marchiori, E., and Valko, V. A. (2004). "Evolutionary algorithms with on-the-fly population size adjustment." *Parallel Problem Solving from Nature—PPSN VIII*, X. Yao, E. Burke, J. Lozano, J. Smith, J. Merelo-Guervós, J. Bullinaria, J. Rowe, P. Tino, A. Kabán, and H.-P. Schwefel, eds., Vol. 3242 of *Lecture Notes in Computer Science*. Springer, 41–50.

Eiben, A. E. and Rudolph, G. (1999). "Theory of evolutionary algorithms: a bird's eye view." *Theoretical Computer Science*, 229(1–2), 3–9.

Eremeev, A. and Reeves, C. R. (2002). "Non-parametric estimation of properties of combinatorial landscapes." *Applications of Evolutionary Computing, Proceedings*, Vol. 2279 of *Lecture Notes in Computer Science*, Springer-Verlag, Berlin Heidelberg New York, 31–40.

References

Eusuff, M. M. and Lansey, K. E. (2003). "Optimization of water distribution network design using the shuffled frog leaping algorithm." *Journal of Water Resources Planning Management–ASCE*, 129(3), 210–225.

Falconer, D. S. (1981). *Introduction to Quantitative Genetics*. Longman Scientific and Technical, Harlow, Essex, UK, second edition.

Fisher, R. A. (1930). *The Genetical Theory of Natural Selection*. Clarendon Press, Oxford.

Fujiwara, O. and Khang, D. B. (1990). "A 2-phase decomposition method for optimal-design of looped water distribution networks." *Water Resources Research*, 26(4), 539–549.

Gibbs, M., Dandy, G., Maier, H., and Nixon, J. (2005). "Selection of genetic algorithm parameters for water distribution system optimization." *Proceedings of the World Water & Environmental Resource Congress*, R. Walton, ed., Anchorage, AK, USA. ASCE.

Goldberg, D. E. (1989a). "Genetic agorithms and walsh functions: Part I, a gentle introduction." *Complex Systems*, 3, 129–152.

Goldberg, D. E. (1989b). *Genetic Algorithms in Search, Optimization, and Machine Learning*. Addison-Wesley Publishing Company, Inc.

Goldberg, D. E. (1991). "Real-coded genetic algorithms, virtual alphabets, and blocking." *Complex Systems*, 5(2), 139–168.

Goldberg, D. E. and Bridges, C. L. (1990). "An analysis of a reordering operator on a GA-hard problem." *Biological Cybernetics*, 62(5), 397–405.

Goldberg, D. E., Deb, K., and Clark, J. (1992). "Genetic algorithms, noise, and the sizing of populations." *Complex Systems*, 6(4), 333–362.

Goldberg, D. E., Deb, K., and Thierens, D. (1993). "Toward a better understanding of mixing in genetic algorithms." *Journal of the Society of Instrument and Control Engineers*, 32(1), 10–16.

Goldberg, D. E., Korb, B., and Deb, K. (1989). "Messy genetic algorithms: Motivation, analysis and first results." *Complex Systems*, 3(5), 493–530.

Grefenstette, J. (1986). "Optimization of control parameters for genetic algorithms." *IEEE Transactions on Systems, Man and Cybernetics*, 16(1), 122–128.

Guo, H. and Hsu, W. (2003). "GA-hardness revisited." *Genetic and Evolutionary Computation—GECCO 2003*, G. Goos, J. Hartmanis, and J. vanLeeuwen, eds., Vol. 2724 of *Lecture Notes in Computer Science*. Springer, 1584–1585.

Gupta, I., Gupta, A., and Khanna, P. (1999). "Genetic algorithm for optimisation of water distribution systems." *Evironmental Modelling and Software*, 14, 437–446.

Halhal, D., Walters, G. A., Ouazar, D., and Savic, D. A. (1997). "Water network rehabilitation with structured messy genetic algorithm." *Journal of Water Resources Planning and Management*, 123(3), 137–146.

Harik, G., Cant-Paz, E., Goldberg, D. E., and Miller, B. L. (1999). "The gambler's ruin problem, genetic algorithms, and the sizing of populations." *Evolutionary Computation*, 7(3), 231–253.

Harik, G. R. (1999). "Linkage learning via probabilistic modeling in the ECGA." *IlliGAL Technical Report 99010*.

Harik, G. R. and Lobo, F. G. (1999). "A parameter-less genetic algorithm." *Proceedings of the Genetic and Evolutionary Computation Conference*, W. Banzhaf, J. Daida, A. E. Eiben, M. H. Garzon, V. Honavar, M. Jakiela, and R. E. Smith, eds., Vol. 1, Orlando, Florida, USA. Morgan Kaufmann, 258–265.

He, J. and Kang, L. (1999). "On the convergence rates of genetic algorithms." *Theoretical Computer Science*, 229(1-2), 23–39.

Herrera, F., Lozano, M., and Sanchez, A. M. (2003). "A taxonomy for the crossover operator for real-coded genetic algorithms: An experimental study." *International Journal of Intelligent Systems*, 18(3), 309–338.

Herrera, F., Lozano, M., and Verdegay, J. L. (1998). "Tackling real-coded genetic algorithms: Operators and tools for behavioural analysis." *Artificial Intelligence Review*, 12(4), 265–319.

Hewitson, C. M. (1999). "Optimisation of water distribution systems using genetic algorithms for hydraulic and water quality issues," PhD thesis, Department of Civil and Environmental Engineering, The University of Adelaide.

Hinterding, R. (1995). "Gaussian mutation and self-adaption in numeric genetic algorithms." *IEEE International Conference on Evolutionary Computation*, Piscataway, NJ. IEEE Press, 284–389.

Holland, J. H. (1975). *Adaptation in Natural and Artificial Systems*. The University of Michigan Press, Cambridge, MA.

Hordijk, W. (1997). "A measure of landscapes." *Evolutionary Computation*, 4(4), 335–360.

Joines, J. and Houck, C. (1994). "On the use of non-stationary penalty functions to solve nonlinear constrained optimization problems with gas.." *Proceedings of the 1st IEEE Conference on Evolutionary Computation*, D. Fogel, ed., Orlando, FL. IEEE Press, 579–584.

Jones, T. and Forrest, S. (1995). "Fitness distance correlation as a measure of problem difficulty for genetic algorithms." *Proceedings of the 6th International Conference on Genetic Algorithms*, L. Eshelman, ed., San Francisco, CA. Morgan Kaufmann Publishers Inc., 184–192.

Kallel, L. (1998). "Inside GA dynamics: Ground basis for comparison." *Parallel Problem Solving from Nature—PPSN V*, 1498, 57–66.

Kallel, L., Naudts, B., and Schoenauer, M. (1999). "On functions with a given fitness - distance relation." *Proceedings of the Congress on Evolutionary Computation*, P. J. Angeline, Z. Michalewicz, M. Schoenauer, X. Yao, and A. Zalzala, eds., Vol. 3, Mayflower Hotel, Washington D.C., USA. IEEE Press, 1910–1916.

Kinnear, K. (1994). "Fitness landscapes and difficulty in genetic programming." *Proceedings of the 1994 IEEE World Conference on Computational Intelligence*, Vol. 1. IEEE Press, 142–147.

Liepins, G. E. and Vose, M. D. (1990). "Representational issues in genetic optimization." *Journal of Experimental and Theoretical Artificial Intelligence*, 2, 101–115.

Lobo, F. G. (2000). "The parameter-less genetic algorithm: rational and automated parameter selection for simplified genetic algorithm operation," PhD thesis, Universidade Nova de Lisboa.

Lobo, F. G. and Goldberg, D. E. (2004). "The parameter-less genetic algorithm in practice." *Information Sciences*, 167(1-4), 217–232.

Lobo, F. G., Goldberg, D. E., and Pelikan, M. (2000). "Time complexity of genetic algorithms on exponentially scaled problems." *Genetic and Evolutionary Computation—*

GECCO 2000, D. Whitley, D. Goldberg, E. Cantú-Paz, L. Spector, I. Parmee, and H.-G. Beyer, eds., Las Vegas, Nevada, USA. Morgan Kaufmann, 151–158.

Lozano, J. A., Larrañaga, P., Graña, M., and Albizuri, F. X. (1999). "Genetic algorithms: bridging the convergence gap." *Theoretical Computer Science*, 229(1–2), 11–22.

Mackle, G., Savic, D. A., and Walters, G. A. (1995). "Application of genetic algorithms to pump scheduling for water supply." *Proceedings of the 1st IEE/IEEE International Conference on Genetic Algorithms in Engineering Systems: Innovations and Applications GALESIA '95*, IEE Conference Publication, Sheffield, England. IEE, Stevenage, Engl, 400–405.

Mahfoud, S. (1995). "Niching methods for genetic algorithms," PhD thesis, University of Illinois.

Maier, H. R., Simpson, A. R., Zecchin, A. C., Foong, W. K., Phang, K. Y., Seah, H. Y., and Tan, C. L. (2003). "Ant colony optimization for design of water distribution systems." *Journal of Water Resources Planning Management–ASCE*, 129(3), 200–209.

Manderick, B., de Weger, M., and Spiessens, P. (1991). "The genetic algorithm and the structure of the fitness landscape." *Proceedings of the 4th International Conference on Genetic Algorithms*, R. Belew and B. Booker, eds., San Mateo, CA. Morgan Kaufmann, 143–150.

Manela, M. and Campbell, J. (1992). "Harmonic analysis, epistasis and genetic algorithms." *Parallel Problem Solving from Nature—PPSN II*, R. Manner and B. Manderick, eds. North Holland, 57–64.

Mason, A. (1991). "Partition coefficients, static deception and deceptive problems for non-binary alphabets." *Proceedings of the 4th International Conference on Genetic Algorithms*, R. Belew and L. Booker, eds., San Mateo, CA. Morgan Kaufmann, 210–214.

Mathias, K., Whitley, D., and Pyeatt, L. (1995). "Hyperplane ranking in simple genetic algorithms." *Proceedings of the 6th International Conference on Genetic Algorithms*, L. Eshelman, ed. Morgan Kaufmann, 231–238.

Merz, P. (2004). "Advanced fitness landscape analysis and the performance of memetic algorithms." *Evolutionary Computation*, 12(3), 303–325.

Michalewicz, Z. (1996). *Genetic algorithms + data structures = evolution programs (3rd ed.)*. Springer-Verlag, London, UK.

Michalewicz, Z. and Attia, N. F. (1994). "Evolutionary optimization of constrained problems." *Proceedings of the 3rd Annual Conference on Evolutionary Programming*, K. Miettinen, P. Neittaanmäki, M. M. Mäkelä, and J. Páriaux, eds., World Scientific, Singapore, 219–234.

Minsker, B. (2005). "Genetic algorithms." *Hydroinformatics: Data Integrative Approaches in Computation, Analysis and Modeling*, P. Kumar, J. Alameda, P. Bajcsy, M. Folk, and M. Markus, eds., CRC Press, Florida, USA, 439–456.

Moddemeijer, R. (1989). "On estimation of entropy and mutual information of continuous distributions." *Signal Processing*, 16(3), 233–246.

Moran, P. (1948). "The interpretation of statistical maps." *Journal of the Royal Statistical Society*, 10B, 175–184.

Moscato, P. (1999). "Memetic algorithms: A short introduction." *New Ideas in Optimization*, D. Corne, M. Dorigo, and F. Glover, eds., McGraw-Hill, 219–234.

Mühlenbein, H. (1992). "How genetic algorithms really work—Part I: Mutation and hill-climbing." *Parallel Problem Solving from Nature—PPSN II*, R. Männer and B. Manderick, eds., Elsevier Science Publishers, Amsterdam, North Holland, 15–25.

Mühlenbein, H. and Asoh, H. (1994). "On the mean convergence time of evolutionary algorithms without selection and mutation." *Parallel Problem Solving from Nature—PPSN III*, Y. Davidor, H. Schwefel, and R. Männer, eds., Vol. 866 of *Lecture Notes in Computer Science*, Springer-Verlag, London, UK, 88–97.

Mühlenbein, H. and Schlierkamp-Voosen, D. (1993). "Predictive models for the breeder genetic algorithm: I. Continuous parameter optimization." *Evolutionary Computation*, 1(1), 25–49.

Munavalli, G. R. and Kumar, M. S. M. (2003). "Optimal scheduling of multiple chlorine sources in water distribution systems." *Journal of Water Resources Planning Management–ASCE*, 129(6), 493–504.

Murphy, L. J., Dandy, G. C., and Simpson, A. R. (1994). "Optimum design and operation of pumped water distribution systems." *1994 International Conference on Hydraulics in Civil Engineering*, University of Queensland - Brisbane. The Institution of Engineers, Australia, 149–155.

Murphy, L. J., Simpson, A. R., and Dandy, G. C. (1993). "Pipe network optimization using an improved genetic algorithm." *Research Report R109*, The University of Adelaide.

Nakano, R. and Yamada, T. (1991). "Conventional genetic algorithm for job shop problems.." *Proceedings of International Conference on Genetic Algorithms (ICGA '91)*, San Mateo, CA. Morgan Kaufmann, 474–479.

Naudts, B. (1998). "Measuring GA-hardness," PhD thesis, University of Antwerp.

Naudts, B. and Kallel, L. (2000). "A comparison of predictive measures of problem difficulty in evolutionary algorithms." *IEEE Transactions on Evolutionary Computation*, 4(1), 1–15.

Odland, J. (1988). *Spatial autocorrelation*, Vol. 9 of *Scientific geography series*. Sage Publications, Newbury Park, California.

Orvosh, D. and Davis, L. (1993). "Shall we repair? Genetic algorithms combinatorial optimization and feasibility constraints." *Proceedings of the 5th International Conference on Genetic Algorithms*, San Francisco, CA, USA. Morgan Kaufmann Publishers Inc., 650.

Ostfeld, A. and Salomons, E. (2004a). "Optimal layout of early warning detection stations for water distribution systems security." *Journal of Water Resources Planning and Management*, 130(5), 377–385.

Ostfeld, A. and Salomons, E. (2004b). "Optimal operation of multiquality water distribution systems: Unsteady conditions." *Engineering Optimization*, 36(3), 337–359.

Pelikan, M., Goldberg, D. E., and Cantú-Paz, E. (1999). "BOA: The Bayesian optimization algorithm." *Genetic and Evolutionary Computation—GECCO 1999*, W. Banzhaf, J. Daida, A. E. Eiben, M. H. Garzon, V. Honavar, M. Jakiela, and R. E. Smith, eds., Vol. I, Orlando, FL. Morgan Kaufmann Publishers, San Fransisco, CA, 525–532.

Petrowski, A. (1996). "A clearing procedure as a niching method for genetic algorithms." *IEEE 3rd International Conference on Evolutionary Computation (ICEC'96)*, Nagoya. IEEE, 798–803.

Prasad, T. D., Walters, G. A., and Savic, D. A. (2004). "Booster disinfection of water supply networks: Multiobjective approach." *Journal of Water Resources Planning Management–ASCE*, 130(5), 367–376.

Propato, M. and Uber, J. G. (2004). "Linear least-squares formulation for operation of booster disinfection systems." *Journal of Water Resources Planning Management–ASCE*, 130(1), 53–62.

Quick, R. J., Rayward-Smith, V. J., and Smith, G. D. (1998). "Fitness distance correlation and ridge functions." *Parallel Problem Solving from Nature—PPSN V*, 1498, 77–86.

Radcliffe, N. and Surry, P. (1995). "Fitness variance of formae and performance prediction." *Foundations of genetic algorithms 3*, L. Whitley and V. M.D., eds., Morgan Kaufmann, 51–72.

Rasheed, K. (1998). "An adaptive penalty approach for constrained genetic-algorithm optimization." *Genetic Programming 1998: Proceedings of the 3rd Annual Conference*, J. R. Koza, W. Banzhaf, K. Chellapilla, K. Deb, M. Dorigo, D. B. Fogel, M. H. Garzon, D. E. Goldberg, H. Iba, and R. Riolo, eds., University of Wisconsin, Madison, Wisconsin, USA. Morgan Kaufmann, 584–590.

Rechenberg, I. (1971). "Evolutionsstrategie: Optimierung technischer systeme nach prinzipien der biologischen evolution," PhD thesis, Technical University of Berlin.

Reed, P. and Yamaguchi, S. (2004). "Simplifying the parameterization of real-coded evolutionary algorithms." *World Water and Environmental Resources Congress*, Salt Lake City, Utah, USA. EWRI/ASCE.

Reeves, C. R. and Wright, C. (1995a). "Epistasis in genetic algorithms: An experimental design perspective." *Proceedings of the 6th International Conference on Genetic Algorithms*, L. Eshelman, ed., San Francisco, CA. Morgan Kaufmann, 217–224.

Reeves, C. R. and Wright, C. (1995b). "An experimental design perspective on genetic algorithms." *Foundations of Genetic Algorithms 3*, D. Whitley and M. Vose, eds., Morgan Kaufmann, San Francisco, CA, 7–22.

Reis, L. F. R., Porto, R. M., and Chaudhry, F. H. (1997). "Optimum location of control valves in pipe networks by genetic algorithm." *Journal of Water Resources Planning and Management*, 123(6), 317–326.

Rochet, S., Venturini, G., Slimane, M., and El Kharoubi, E. M. (1998). "A critical and empirical study of epistasis measures for predicting GA performances: A summary." *Proceedings of the 1997 3rd European Conference on Artificial Evolution*, Vol. 1363 of *Lecture Notes in Computer Science*, Springer-Verlag, 275–285.

Rogers, A. and Pruegel-Bennett, A. (1999). "Genetic drift in genetic algorithm selection schemes." *IEEE Transactions on Evolutionary Computation*, 3(4), 298–303.

Rossman, L. A. (1994). "The EPANET water quality model." *Integrated Computer Applications in Water Supply (Vol. 2): Applications and Implementations for Systems Operation and Management*, 79–93.

Sadegheih, A. (2006). "Scheduling problem using genetic algorithm, simulated annealing and the effects of parameter values on GA performance." *Applied Mathematical Modelling*, 30(2), 147–154.

Sakarya, A. B. A. and Mays, L. W. (2000). "Optimal operation of water distribution pumps considering water quality." *Journal of Water Resources Planning and Management*, 126(4), 210–220.

Salomon, R. (1996). "Re-evaluating genetic algorithm performance under coordinate rotation of benchmark functions: A survey of some theoretical and practical aspects of genetic algorithms." *BioSystems*, 39, 263–278.

Savic, D. A. and Walters, G. A. (1997). "Genetic algorithms for least-cost design of water distribution networks." *Journal of Water Resources Planning and Management*, 123(2), 67–77.

Schaake, J. and Lai, D. (1969). "Linear programming and dynamic programming applications to water distribution network design." *Report 116*, Department of Civil Engineering, Massachusetts Institute of Technology, Cambridge, Massachusetts.

Schaffer, J. D., Caruana, R. A., Eshelman, L. J., and Das, R. (1989). "A study of control parameters affecting online performance of genetic algorithms for function optimization." *Proceedings of the 3rd International Conference on Genetic algorithms*, San Francisco, CA, USA. Morgan Kaufmann Publishers Inc., 51–60.

Scott, D. W. (1992). *Multivariate Density Estimation*. Wiley-Interscience, New York.

Seo, D. I., Kim, Y. H., and Moon, B. R. (2003). "New entropy-based measures of gene significance and epistasis." *Genetic and Evolutionary Computation—GECCO 2003*, Vol. 2724 of *Lecture Notes in Computer Science*, Springer-Verlag, Berlin Heidelberg, 1345–1356.

Shannon, C. (1948). "A mathematical theory of communication." *Bell System Technical Journal*, 27, 379–423, 623–656.

Sharma, A. (2000). "Seasonal to interannual rainfall probabilistic forecasts for improved water supply management: Part 1 - a strategy for system predictor identification." *Journal of Hydrology*, 239(1-4), 232–239.

Simpson, A. R., Dandy, G. C., and Murphy, L. J. (1994). "Genetic algorithms compared to other techniques for pipe optimization." *Journal of Water Resources Planning and Management*, 120(4), 423–443.

Smith, T., Husbands, P., Layzell, P., and O'Shea, M. (2002). "Fitness landscapes and evolvability." *Evolutionary Computation*, 10(1), 1–34.

Srinivas, M. and Patnaik, L. M. (1994). "Adaptive probabilities of crossover and mutation in genetic algorithms." *IEEE Transactions on Systems Man and Cybernetics*, 24(4), 656–667.

Stadler, P. and Happel, R. (1999). "Random field models for fitness landscapes." *Journal of Mathematical Biology*, 38, 435–478.

Storn, R. and Price, K. (1997). "Differential evolution a simple and efficient heuristic for global optimization over continuous spaces." *Journal of Global Optimization*, 11(4), 341–359.

Suganthan, P. N., Hansen, N., Liang, J. J., Deb, K., Chen, Y.-P., Auger, A., and Tiwari, S. (2005). "Problem definitions and evaluation criteria for the CEC 2005 special session on real-parameter optimization." *Technical report*, Nanyang Technological University.

Suzuki, J. (1995). "A markov-chain analysis on simple genetic algorithms." *IEEE Transactions on Systems Man and Cybernetics*, 25(4), 655–659.

Thierens, D. (1995). "Analysis and design of genetic algorithms," PhD thesis, Katholieke Universiteit Leuven.

Thierens, D. and Goldberg, D. E. (1994). "Convergence models of genetic algorithm selection schemes." *Parallel Problem Solving from Nature—PPSN III*, Y. Davidor, H. Schwefel, and R. Männer, eds., Vol. 866 of *Lecture Notes in Computer Science*, Springer-Verlag, London, UK, 119–129.

Thierens, D., Goldberg, D. E., and Pereira, A. (1998). "Domino convergence, drift and the temporalsalience structure of problems." *IEEE International Conference on Evolutionary Computation*, New York, NY. IEEE Press, 535–540.

Tolson, B. A., Maier, H. R., Simpson, A. R., and Lence, B. J. (2004). "Genetic algorithms for reliability-based optimization of water distribution systems." *Journal of Water Resources Planning Management–ASCE*, 130(1), 63–72.

Van Zyl, J. E., Savic, D. A., and Walters, G. A. (2004). "Operational optimization of water distribution systems using a hybrid genetic algorithm." *Journal of Water Resources Planning and Management—ASCE*, 130(2), 160–170.

Voigt, H.-M., Mhlenbein, H., and Cvetkovic, D. (1995). "Fuzzy recombination for the breeder genetic algorithm." *Proceedings of the 6th International Conference on Genetic Algorithms*, L. Eshelman, ed., San Francisco, CA. Morgan Kaufmann Publishers Inc., 104–113.

Weinberger, E. (1990). "Correlated and uncorrelated fitness landscapes and how to tell the difference." *Biological Cybernetics*, 63(5), 325–336.

Whitley, D., Mathias, K., Rana, S., and Dzubera, J. (1995). "Building better test functions." *Proceedings of the 6th International Conference on Genetic Algorithms*, L. Eshelman, ed., San Francisco, CA. Morgan Kaufmann, 239–246.

Wolpert, D. H. and Macready, W. G. (1997). "No free lunch theorems for optimization." *IEEE Transactions on Evolutionary Computation*, 1(1), 67–82.

Wright, A. (1991). "Genetic algorithms for real parameter optimization." *Foundations of Genetic Algorithms 1*, G. Rawlins, ed., Morgan Kaufmann, San Mateo, CA, 205–218.

Wright, S. (1932). "The role of mutation, inbreeding, crossbreeding and selection in evolution." *Proceedings of the 6th International Congress on Genetics*, D. Jones, ed., Vol. 1. 356–366.

Appendices

Appendix A
Published Works

This appendix lists the conference papers that have been published by the author that relate to the work presented in this thesis.

- Gibbs, M.S., Maier, H.R., and Dandy, G.C. (2004), Applying Fitness Landscape Measures to Water Distribution Optimisation Problems, in Liong, S.Y., Phoon, K.K., and Babovic, V. *Proceedings of the Sixth International Conference on Hydroinformatics*, *June 21–24*, World Scientific Publishing, Singapore, Vol. 1, 795–802.

- Gibbs, M.S., Dandy, G.C., Maier, H.R., and Nixon, J.B. (2005), Selection of Genetic Algorithm Parameters for Water Distribution System Optimization, in Walton, R., *Proceedings of the World Water & Environmental Resource Congress*, *May 15-19*, ASCE, Anchorage, AK, USA.

- Gibbs, M.S., Maier, H.R., Dandy, G.C., and Nixon, J.B. (2006), Minimum Number of Generations Required for Convergence of Genetic Algorithms, in Yen, G.G., Wang, L., Bonissone, P. and Lucas, S.M. *Proceedings of the 2006 IEEE Congress on Evolutionary Computation*, *July 16–21*, IEEE Press, Vancouver, BC, Canada.

Appendix B
Test Function Results

Table B.1 Predicted - Set Values. $l = 10$. f1-6

FE		1	2	3	5	6
1e3	1st(Best)	1.3125e+01	4.0478e+02	3.8076e+06	2.5637e+03	3.5504e+03
	7th	3.0245e+01	2.4121e+03	7.6684e+06	3.7160e+03	3.6015e+04
	13th(Median)	6.3922e+01	4.1945e+03	1.2975e+07	4.0868e+03	9.9163e+04
	19th	1.2483e+02	5.1115e+03	2.1916e+07	5.6272e+03	3.7578e+05
	25th(Worst)	1.6495e+02	9.5865e+03	7.7542e+07	7.7681e+03	1.3217e+06
	Mean	7.8017e+01	4.0089e+03	1.9184e+07	4.5560e+03	2.3532e+05
	Stdev	4.7185e+01	2.2851e+03	1.7936e+07	1.4296e+03	3.0435e+05
1e4	1st(Best)	2.3896e-02	6.8528e+00	7.2941e+04	2.0843e+02	7.5877e+00
	7th	4.3241e-02	4.2996e+01	2.4605e+05	7.0588e+02	3.0516e+01
	13th(Median)	7.3597e-02	7.7333e+01	6.3176e+05	1.2364e+03	9.5360e+01
	19th	1.0607e-01	2.2237e+02	1.1302e+06	1.6130e+03	1.9314e+02
	25th(Worst)	2.5574e-01	8.8951e+02	2.9007e+06	2.2076e+03	9.2544e+02
	Mean	7.9244e-02	1.7639e+02	8.1049e+05	1.2026e+03	1.5151e+02
	Stdev	4.9377e-02	2.1194e+02	7.0932e+05	6.0053e+02	1.9015e+02
1e5	1st(Best)	6.7562e-05	1.0810e+00	1.8320e+05	4.3591e+01	9.6535e-01
	7th	2.9865e-04	2.2533e+00	2.7891e+05	1.4300e+02	5.9964e+00
	13th(Median)	4.2937e-04	3.1197e+00	3.7741e+05	2.3508e+02	6.8907e+00
	19th	6.2197e-04	4.4753e+00	4.4587e+05	3.3298e+02	9.1042e+00
	25th(Worst)	7.9936e-04	8.6430e+00	8.8903e+05	4.6774e+02	3.1091e+02
	Mean	4.4044e-04	3.5551e+00	3.9908e+05	2.3963e+02	2.2472e+01
	Stdev	2.2177e-04	1.7871e+00	1.6941e+05	1.1857e+02	5.9795e+01

Table B.2 Predicted - Set Values. $l = 10$. f8-12

FE		8	9	10	11	12
1e3	1st(Best)	2.0488e+01	5.6852e+00	2.6517e+01	6.4046e+00	1.5488e+03
	7th	2.0670e+01	9.3241e+00	3.7447e+01	7.5194e+00	5.0023e+03
	13th(Median)	2.0737e+01	1.2922e+01	4.3620e+01	8.7496e+00	6.2103e+03
	19th	2.0815e+01	1.5943e+01	4.9052e+01	9.5799e+00	1.0018e+04
	25th(Worst)	2.0909e+01	2.2365e+01	6.1883e+01	1.1455e+01	1.4390e+04
	Mean	2.0743e+01	1.2869e+01	4.3545e+01	8.6815e+00	7.2630e+03
	Stdev	1.1242e-01	4.7512e+00	9.3985e+00	1.4147e+00	3.6159e+03
1e4	1st(Best)	2.0268e+01	8.1482e-02	1.5917e+00	3.5952e+00	1.8318e+01
	7th	2.0467e+01	2.2125e-01	3.9810e+00	5.2258e+00	3.0794e+02
	13th(Median)	2.0524e+01	1.1889e+00	4.9820e+00	6.2042e+00	1.2413e+03
	19th	2.0572e+01	2.6685e+00	5.5871e+00	7.2153e+00	2.0522e+03
	25th(Worst)	2.0637e+01	5.1826e+00	1.0295e+01	8.8891e+00	5.7475e+03
	Mean	2.0506e+01	1.6133e+00	4.7392e+00	6.2072e+00	1.5521e+03
	Stdev	8.9955e-02	1.3250e+00	1.7509e+00	1.4255e+00	1.4503e+03
1e5	1st(Best)	2.0211e+01	6.5687e-05	1.5346e-03	9.8610e-01	9.6717e+00
	7th	2.0330e+01	3.0530e-04	9.8536e-03	2.7850e+00	2.2932e+01
	13th(Median)	2.0376e+01	4.1906e-04	1.6871e-02	3.4963e+00	3.0652e+01
	19th	2.0408e+01	7.0519e-04	1.1126e-01	4.2533e+00	5.9791e+01
	25th(Worst)	2.0441e+01	1.1239e-03	4.4166e+00	5.4654e+00	6.9871e+02
	Mean	2.0358e+01	4.9388e-04	3.8012e-01	3.4851e+00	1.0889e+02
	Stdev	6.2890e-02	2.7984e-04	9.2562e-01	1.0977e+00	1.7711e+02

Table B.3 Predicted - Set Values. $l = 10$. f13-18

FE		13	14	15	16	18
1e3	1^{st}(Best)	2.0219e+00	3.4644e+00	1.5741e+02	1.5546e+02	4.4308e+02
	7th	5.1378e+00	4.1515e+00	2.1414e+02	1.8230e+02	8.5190e+02
	13^{th}(Median)	6.1050e+00	4.1921e+00	4.7363e+02	2.1834e+02	9.7602e+02
	19th	6.5837e+00	4.3637e+00	5.4429e+02	2.4812e+02	1.0473e+03
	25^{th}(Worst)	1.1770e+01	4.4645e+00	5.9038e+02	5.3121e+02	1.1019e+03
	Mean	6.3330e+00	4.1853e+00	3.8884e+02	2.4400e+02	9.3146e+02
	Stdev	2.2094e+00	2.1002e-01	1.6686e+02	1.0389e+02	1.4777e+02
1e4	1^{st}(Best)	5.0533e-01	3.0671e+00	5.0927e+01	8.9650e+01	6.1681e+02
	7th	7.7685e-01	3.5844e+00	3.0009e+02	9.8623e+01	8.0270e+02
	13^{th}(Median)	9.6757e-01	3.7742e+00	4.0002e+02	1.0283e+02	9.1535e+02
	19th	1.1920e+00	3.9056e+00	4.0670e+02	1.0974e+02	9.7781e+02
	25^{th}(Worst)	1.8666e+00	4.0721e+00	4.2191e+02	1.1979e+02	1.0145e+03
	Mean	9.7781e-01	3.7168e+00	3.2801e+02	1.0462e+02	8.9330e+02
	Stdev	3.1527e-01	2.5374e-01	1.3253e+02	8.1040e+00	9.5470e+01
1e5	1^{st}(Best)	8.8533e-01	2.5536e+00	4.1627e+01	8.7758e+01	8.0002e+02
	7th	1.0409e+00	3.0000e+00	4.0000e+02	9.1791e+01	9.4292e+02
	13^{th}(Median)	1.0980e+00	3.3357e+00	4.0000e+02	9.2773e+01	9.6042e+02
	19th	1.1770e+00	3.5575e+00	4.0000e+02	9.3732e+01	9.8644e+02
	25^{th}(Worst)	1.5736e+00	3.6873e+00	4.0000e+02	9.7060e+01	1.0055e+03
	Mean	1.1086e+00	3.2676e+00	3.7689e+02	9.2809e+01	9.5554e+02
	Stdev	1.4852e-01	3.2021e-01	7.8853e+01	1.9468e+00	4.3925e+01

Table B.4   Predicted - Set Values. $l = 10$. f19-23

FE		19	20	21	22	23
1e3	1st(Best)	4.4307e+02	4.4307e+02	5.3246e+02	7.9387e+02	5.5968e+02
	7th	8.5800e+02	8.5800e+02	9.7369e+02	8.2935e+02	6.9820e+02
	13th(Median)	9.7597e+02	9.6183e+02	1.2278e+03	9.4341e+02	1.2141e+03
	19th	1.0473e+03	1.0473e+03	1.2580e+03	1.0091e+03	1.2706e+03
	25th(Worst)	1.1010e+03	1.1010e+03	1.2947e+03	1.0668e+03	1.2961e+03
	Mean	9.3044e+02	9.3014e+02	1.0702e+03	9.2717e+02	1.0579e+03
	Stdev	1.5160e+02	1.5181e+02	2.7674e+02	9.0374e+01	2.8182e+02
1e4	1st(Best)	7.7343e+02	7.0097e+02	5.0000e+02	7.6027e+02	5.5947e+02
	7th	8.0058e+02	8.0203e+02	8.0075e+02	7.7323e+02	9.7050e+02
	13th(Median)	9.6562e+02	9.5981e+02	9.1527e+02	7.7772e+02	1.1094e+03
	19th	9.9302e+02	9.8533e+02	1.1684e+03	8.0000e+02	1.2067e+03
	25th(Worst)	1.0205e+03	1.0200e+03	1.2558e+03	8.6022e+02	1.2709e+03
	Mean	9.1744e+02	9.1578e+02	9.6103e+02	7.8645e+02	1.0754e+03
	Stdev	9.2182e+01	9.3964e+01	2.0788e+02	2.0187e+01	1.7088e+02
1e5	1st(Best)	8.0001e+02	8.0001e+02	7.3725e+02	4.8764e+02	7.4184e+02
	7th	8.9587e+02	9.3996e+02	8.0000e+02	7.5685e+02	9.7050e+02
	13th(Median)	9.4287e+02	9.6090e+02	8.0000e+02	7.6133e+02	9.7050e+02
	19th	9.7183e+02	9.7967e+02	9.4558e+02	7.6508e+02	1.0689e+03
	25th(Worst)	1.0034e+03	1.0056e+03	1.2190e+03	8.0000e+02	1.2265e+03
	Mean	9.2450e+02	9.4558e+02	8.8910e+02	7.4385e+02	1.0037e+03
	Stdev	5.8586e+01	5.8105e+01	1.4971e+02	6.6804e+01	1.3020e+02

Table B.5 Predicted - Self Adaptive. $l = 10$. f1-6

FE		1	2	3	5	6
1e3	1st(Best)	5.0501e+01	2.8103e+03	4.9318e+06	2.7184e+03	6.8117e+04
	7th	2.4898e+02	8.1806e+03	3.5060e+07	5.5457e+03	3.3101e+06
	13th(Median)	4.3650e+02	9.7247e+03	5.5456e+07	7.8146e+03	1.3025e+07
	19th	8.5645e+02	1.6463e+04	9.3394e+07	1.1113e+04	8.0397e+07
	25th(Worst)	1.7375e+04	2.3923e+04	3.2050e+08	2.0609e+04	1.7696e+09
	Mean	1.6389e+03	1.1840e+04	6.9930e+07	8.9976e+03	2.0460e+08
	Stdev	3.8370e+03	6.0240e+03	6.0913e+07	4.8214e+03	4.5453e+08
1e4	1st(Best)	8.5528e-01	1.5468e+02	3.7057e+05	1.4444e+03	2.9824e+02
	7th	4.7334e+00	5.6859e+02	1.0997e+06	2.1387e+03	2.2143e+03
	13th(Median)	1.8272e+01	9.3209e+02	2.2750e+06	2.9803e+03	5.8860e+03
	19th	4.7337e+01	1.2964e+03	4.8225e+06	3.4929e+03	8.4698e+04
	25th(Worst)	1.1013e+04	2.8787e+03	1.0646e+07	5.3627e+03	2.7064e+08
	Mean	4.9933e+02	1.0171e+03	3.3325e+06	2.8361e+03	1.1469e+07
	Stdev	2.1495e+03	6.9436e+02	2.7596e+06	9.6599e+02	5.2968e+07
1e5	1st(Best)	9.5119e-03	2.6149e-02	2.3004e+04	1.3557e+01	3.4639e+01
	7th	3.8371e-02	1.2003e+00	6.9048e+04	8.4941e+01	1.3107e+02
	13th(Median)	1.7575e-01	4.0274e+00	1.3889e+05	1.6395e+02	2.8360e+02
	19th	9.0246e-01	7.9935e+00	2.0177e+05	2.7335e+02	5.4002e+02
	25th(Worst)	4.1129e+01	6.8370e+01	5.4724e+05	8.9982e+02	1.1910e+04
	Mean	2.1605e+00	8.3881e+00	1.6338e+05	2.3684e+02	1.2280e+03
	Stdev	8.0043e+00	1.4007e+01	1.2616e+05	2.2253e+02	2.5606e+03

Table B.6 Predicted - Self Adaptive. $l = 10$. f8-12

FE		8	9	10	11	12
1e3	1st(Best)	2.0496e+01	6.4945e+00	4.1510e+01	7.6697e+00	3.8895e+03
	7th	2.0689e+01	1.4426e+01	6.5854e+01	1.0293e+01	8.9321e+03
	13th(Median)	2.0736e+01	1.8558e+01	7.6776e+01	1.0889e+01	1.2508e+04
	19th	2.0868e+01	2.7925e+01	1.0135e+02	1.1359e+01	2.2822e+04
	25th(Worst)	2.1109e+01	5.2867e+01	1.4437e+02	1.2409e+01	8.2437e+04
	Mean	2.0766e+01	2.3200e+01	8.3877e+01	1.0756e+01	2.0933e+04
	Stdev	1.6294e-01	1.2611e+01	2.9819e+01	1.1024e+00	1.9047e+04
1e4	1st(Best)	2.0326e+01	3.0299e-01	9.7554e+00	7.1726e+00	3.5430e+02
	7th	2.0499e+01	2.1759e+00	1.6261e+01	8.6214e+00	2.6119e+03
	13th(Median)	2.0594e+01	3.1020e+00	2.1436e+01	9.3548e+00	3.6859e+03
	19th	2.0760e+01	6.1457e+00	2.6940e+01	1.0430e+01	6.0942e+03
	25th(Worst)	2.0933e+01	5.2236e+01	4.7505e+01	1.2010e+01	9.8258e+03
	Mean	2.0618e+01	6.2841e+00	2.2612e+01	9.5868e+00	4.2221e+03
	Stdev	1.6692e-01	9.9719e+00	9.2672e+00	1.3014e+00	2.5379e+03
1e5	1st(Best)	2.0208e+01	9.9357e-04	2.0035e+00	3.8350e+00	1.8783e+01
	7th	2.0305e+01	2.6825e-02	5.0082e+00	6.0294e+00	1.1253e+02
	13th(Median)	2.0409e+01	8.1243e-02	6.9679e+00	6.3960e+00	2.2243e+02
	19th	2.0482e+01	1.5483e-01	8.9862e+00	7.3449e+00	4.1327e+02
	25th(Worst)	2.0753e+01	2.2027e+00	1.3997e+01	9.2659e+00	1.3193e+03
	Mean	2.0411e+01	1.9193e-01	7.3043e+00	6.5809e+00	3.9577e+02
	Stdev	1.3884e-01	4.2648e-01	3.2579e+00	1.2339e+00	4.0561e+02

Table B.7 Predicted - Self Adaptive. $l = 10$. f13-18

FE		13	14	15	16	18
1e3	1st(Best)	3.0465e+00	3.8004e+00	1.3082e+02	2.1153e+02	9.2436e+02
	7th	6.6961e+00	4.1377e+00	2.3205e+02	2.7089e+02	1.0780e+03
	13th(Median)	1.3572e+01	4.3221e+00	5.5729e+02	3.0959e+02	1.0836e+03
	19th	1.4857e+02	4.4672e+00	6.3145e+02	3.6055e+02	1.1108e+03
	25th(Worst)	6.5086e+03	4.5381e+00	1.0894e+03	6.9322e+02	1.2929e+03
	Mean	4.4379e+02	4.2963e+00	4.8507e+02	3.4342e+02	1.0897e+03
	Stdev	1.3190e+03	1.9797e-01	2.3955e+02	1.1186e+02	5.7313e+01
1e4	1st(Best)	7.2901e-01	3.4602e+00	8.0746e+01	1.1009e+02	8.0707e+02
	7th	1.3595e+00	4.0181e+00	1.0303e+02	1.3978e+02	9.2112e+02
	13th(Median)	1.6334e+00	4.1122e+00	1.2456e+02	1.5654e+02	9.7883e+02
	19th	2.6296e+00	4.3462e+00	4.5102e+02	1.7233e+02	1.0128e+03
	25th(Worst)	5.6752e+00	4.5076e+00	6.0776e+02	2.2102e+02	1.0832e+03
	Mean	2.0845e+00	4.1374e+00	2.6012e+02	1.5844e+02	9.6234e+02
	Stdev	1.1948e+00	2.7254e-01	1.7671e+02	2.6890e+01	8.1436e+01
1e5	1st(Best)	1.6088e-01	3.4521e+00	7.2359e-04	9.5570e+01	3.0058e+02
	7th	4.8185e-01	3.7282e+00	3.0671e+02	1.0013e+02	7.9884e+02
	13th(Median)	5.6231e-01	4.0172e+00	4.0000e+02	1.0371e+02	8.0004e+02
	19th	6.4213e-01	4.0877e+00	4.0001e+02	1.0767e+02	8.0129e+02
	25th(Worst)	8.6466e-01	4.5075e+00	4.2189e+02	1.3213e+02	9.3748e+02
	Mean	5.4659e-01	3.9502e+00	3.1444e+02	1.0542e+02	7.5441e+02
	Stdev	1.4965e-01	2.6316e-01	1.3419e+02	8.3289e+00	1.5749e+02

Table B.8   Predicted - Self Adaptive. $l = 10$. f19-23

FE		19	20	21	22	23
	1st(Best)	9.2426e+02	9.2426e+02	7.0568e+02	8.3418e+02	1.2202e+03
	7th	1.0666e+03	1.0666e+03	1.1983e+03	1.0295e+03	1.2742e+03
	13th(Median)	1.0853e+03	1.0853e+03	1.2810e+03	1.0819e+03	1.2959e+03
1e3	19th	1.1197e+03	1.1197e+03	1.3129e+03	1.1217e+03	1.3249e+03
	25th(Worst)	1.2929e+03	1.2929e+03	1.4728e+03	2.0056e+03	1.4654e+03
	Mean	1.0940e+03	1.0943e+03	1.2173e+03	1.1092e+03	1.3029e+03
	Stdev	6.0514e+01	6.0793e+01	1.8274e+02	2.0882e+02	4.9935e+01
	1st(Best)	8.0218e+02	8.0711e+02	5.0095e+02	3.6718e+02	5.5947e+02
	7th	9.6389e+02	9.6134e+02	9.4910e+02	7.7556e+02	1.1207e+03
	13th(Median)	9.8764e+02	9.9480e+02	1.1175e+03	7.9190e+02	1.1700e+03
1e4	19th	1.0198e+03	1.0198e+03	1.1517e+03	8.1027e+02	1.2415e+03
	25th(Worst)	1.0821e+03	1.0746e+03	1.2892e+03	9.6774e+02	1.2987e+03
	Mean	9.7724e+02	9.7334e+02	1.0263e+03	7.9379e+02	1.0716e+03
	Stdev	7.4057e+01	7.3637e+01	2.1546e+02	1.0149e+02	2.5716e+02
	1st(Best)	3.0002e+02	3.0001e+02	5.0000e+02	7.2930e+02	5.5947e+02
	7th	4.8451e+02	6.8999e+02	5.0000e+02	7.4853e+02	5.5947e+02
	13th(Median)	8.0001e+02	8.0005e+02	5.0143e+02	7.5480e+02	5.5947e+02
1e5	19th	8.0040e+02	8.3359e+02	8.0023e+02	7.5845e+02	9.7050e+02
	25th(Worst)	9.1344e+02	9.2686e+02	1.1383e+03	7.6072e+02	1.1207e+03
	Mean	6.9506e+02	7.4662e+02	6.4777e+02	7.5285e+02	7.6634e+02
	Stdev	1.8073e+02	1.5707e+02	1.9672e+02	7.5000e+00	2.3612e+02

Table B.9 Drift - Set Values. $l = 10$. f1-6

FE		1	2	3	5	6
1e3	1st(Best)	1.3125e+01	4.0478e+02	3.8076e+06	2.5637e+03	3.5504e+03
	7th	3.0245e+01	2.4121e+03	7.6684e+06	3.7160e+03	3.6015e+04
	13th(Median)	6.3922e+01	4.1945e+03	1.2975e+07	4.0868e+03	9.9163e+04
	19th	1.2483e+02	5.1115e+03	2.1916e+07	5.6272e+03	3.7578e+05
	25th(Worst)	1.6495e+02	9.5865e+03	7.7542e+07	7.7681e+03	1.3217e+06
	Mean	7.8017e+01	4.0089e+03	1.9184e+07	4.5560e+03	2.3532e+05
	Stdev	4.7185e+01	2.2851e+03	1.7936e+07	1.4296e+03	3.0435e+05
1e4	1st(Best)	3.2143e-03	2.3386e+02	1.1283e+05	5.8925e+02	1.1470e+02
	7th	2.3333e-01	4.2277e+02	1.4774e+06	1.8203e+03	5.2680e+02
	13th(Median)	4.4998e-01	8.2224e+02	2.8507e+06	2.6166e+03	1.5517e+03
	19th	1.2271e+00	9.2006e+02	7.5145e+06	3.2716e+03	7.2457e+03
	25th(Worst)	3.9217e+00	1.9738e+03	1.5460e+07	4.6964e+03	1.0616e+04
	Mean	8.2355e-01	7.8540e+02	4.8447e+06	2.6003e+03	3.3914e+03
	Stdev	9.6250e-01	4.3805e+02	4.6117e+06	1.0043e+03	3.6227e+03
1e5	1st(Best)	5.0287e-09	1.8741e-01	2.5400e+04	3.7293e+01	1.3065e+00
	7th	7.4258e-09	4.2125e+00	1.7769e+05	2.5105e+02	6.8657e+00
	13th(Median)	8.2202e-09	1.0103e+01	2.4957e+05	5.4195e+02	9.3077e+00
	19th	9.2178e-09	3.1471e+01	7.0102e+05	7.4630e+02	6.7343e+01
	25th(Worst)	5.8520e-04	1.8968e+02	4.1238e+06	1.6694e+03	1.0713e+03
	Mean	2.3417e-05	2.4356e+01	6.6697e+05	5.8437e+02	7.9897e+01
	Stdev	1.1467e-04	3.7494e+01	8.7580e+05	4.2808e+02	2.0775e+02

Table B.10   Drift - Set Values. $l = 10$. f8-12

FE		8	9	10	11	12
1e3	1st(Best)	2.0488e+01	5.6852e+00	2.6517e+01	6.4046e+00	1.5488e+03
	7th	2.0670e+01	9.3241e+00	3.7447e+01	7.5194e+00	5.0023e+03
	13th(Median)	2.0737e+01	1.2922e+01	4.3620e+01	8.7496e+00	6.2103e+03
	19th	2.0815e+01	1.5943e+01	4.9052e+01	9.5799e+00	1.0018e+04
	25th(Worst)	2.0909e+01	2.2365e+01	6.1883e+01	1.1455e+01	1.4390e+04
	Mean	2.0743e+01	1.2869e+01	4.3545e+01	8.6815e+00	7.2630e+03
	Stdev	1.1242e-01	4.7512e+00	9.3985e+00	1.4147e+00	3.6159e+03
1e4	1st(Best)	2.0276e+01	3.0575e-02	3.0103e+00	3.2005e+00	1.3984e+02
	7th	2.0392e+01	1.9931e+00	7.2601e+00	4.5469e+00	7.3462e+02
	13th(Median)	2.0505e+01	2.0657e+00	1.1078e+01	5.5889e+00	1.1907e+03
	19th	2.0562e+01	3.0898e+00	1.2994e+01	6.6717e+00	2.0613e+03
	25th(Worst)	2.0666e+01	5.9806e+00	1.7410e+01	7.7714e+00	5.0707e+03
	Mean	2.0480e+01	2.5472e+00	1.0389e+01	5.5929e+00	1.5595e+03
	Stdev	1.0003e-01	1.3814e+00	3.7053e+00	1.2877e+00	1.1536e+03
1e5	1st(Best)	2.0173e+01	6.9408e-09	8.4352e-07	1.4234e+00	8.9770e+00
	7th	2.0276e+01	9.9496e-01	1.9899e+00	2.5013e+00	4.0780e+01
	13th(Median)	2.0361e+01	1.0648e+00	3.9798e+00	3.0311e+00	1.0675e+02
	19th	2.0427e+01	1.9899e+00	4.9748e+00	3.4967e+00	3.9896e+02
	25th(Worst)	2.0497e+01	4.9748e+00	7.9597e+00	5.3340e+00	2.6377e+03
	Mean	2.0347e+01	1.7720e+00	3.4643e+00	3.1813e+00	4.3168e+02
	Stdev	8.6096e-02	1.2765e+00	1.8890e+00	9.2803e-01	6.9211e+02

Table B.11 Drift - Set Values. $l = 10$. f13-18

FE		13	14	15	16	18
1e3	1^{st}(Best)	2.0219e+00	3.4644e+00	1.5741e+02	1.5546e+02	4.4308e+02
	7th	5.1378e+00	4.1515e+00	2.1414e+02	1.8230e+02	8.5190e+02
	13^{th}(Median)	6.1050e+00	4.1921e+00	4.7363e+02	2.1834e+02	9.7602e+02
	19th	6.5837e+00	4.3637e+00	5.4429e+02	2.4812e+02	1.0473e+03
	25^{th}(Worst)	1.1770e+01	4.4645e+00	5.9038e+02	5.3121e+02	1.1019e+03
	Mean	6.3330e+00	4.1853e+00	3.8884e+02	2.4400e+02	9.3146e+02
	Stdev	2.2094e+00	2.1002e-01	1.6686e+02	1.0389e+02	1.4777e+02
1e4	1^{st}(Best)	5.2743e-01	3.5292e+00	1.0686e-01	1.0573e+02	5.6125e+02
	7th	8.5738e-01	3.7380e+00	8.4832e+01	1.1404e+02	9.6154e+02
	13^{th}(Median)	9.8470e-01	3.9722e+00	4.1784e+02	1.2226e+02	1.0067e+03
	19th	1.1296e+00	4.0727e+00	4.2684e+02	1.3246e+02	1.0240e+03
	25^{th}(Worst)	1.7723e+00	4.2159e+00	4.3813e+02	1.5974e+02	1.0572e+03
	Mean	1.0232e+00	3.9289e+00	2.9147e+02	1.2438e+02	9.5700e+02
	Stdev	3.1281e-01	1.9723e-01	1.6963e+02	1.2691e+01	1.1791e+02
1e5	1^{st}(Best)	3.8686e-01	3.2521e+00	1.6798e-01	6.1469e+01	4.5457e+02
	7th	7.5024e-01	3.4240e+00	2.0000e+02	9.2915e+01	8.0005e+02
	13^{th}(Median)	8.5058e-01	3.5038e+00	4.0000e+02	9.7099e+01	9.5664e+02
	19th	1.1251e+00	3.7077e+00	4.0000e+02	9.9759e+01	9.8796e+02
	25^{th}(Worst)	1.5522e+00	3.9419e+00	4.2158e+02	1.1195e+02	9.9708e+02
	Mean	9.2304e-01	3.5738e+00	3.0724e+02	9.6547e+01	8.9839e+02
	Stdev	2.7448e-01	2.0071e-01	1.5305e+02	8.9439e+00	1.1944e+02

Table B.12 Drift - Set Values. $l = 10$. f19-23

FE		19	20	21	22	23
1e3	1^{st}(Best)	4.4307e+02	4.4307e+02	5.3246e+02	7.9387e+02	5.5968e+02
	7th	8.5800e+02	8.5800e+02	9.7369e+02	8.2935e+02	6.9820e+02
	13^{th}(Median)	9.7597e+02	9.6183e+02	1.2278e+03	9.4341e+02	1.2141e+03
	19th	1.0473e+03	1.0473e+03	1.2580e+03	1.0091e+03	1.2706e+03
	25^{th}(Worst)	1.1010e+03	1.1010e+03	1.2947e+03	1.0668e+03	1.2961e+03
	Mean	9.3044e+02	9.3014e+02	1.0702e+03	9.2717e+02	1.0579e+03
	Stdev	1.5160e+02	1.5181e+02	2.7674e+02	9.0374e+01	2.8182e+02
1e4	1^{st}(Best)	5.6124e+02	5.6124e+02	5.0009e+02	7.4061e+02	5.5947e+02
	7th	9.4685e+02	8.0497e+02	9.0796e+02	7.6082e+02	9.7050e+02
	13^{th}(Median)	9.9186e+02	9.9187e+02	1.0758e+03	8.0054e+02	1.2307e+03
	19th	1.0098e+03	1.0159e+03	1.1963e+03	8.5324e+02	1.2597e+03
	25^{th}(Worst)	1.0501e+03	1.0501e+03	1.2593e+03	9.7588e+02	1.2773e+03
	Mean	9.4078e+02	9.3537e+02	9.8427e+02	8.1619e+02	1.0898e+03
	Stdev	1.1586e+02	1.1948e+02	2.5119e+02	6.1258e+01	2.5439e+02
1e5	1^{st}(Best)	6.3804e+02	4.8787e+02	5.0000e+02	3.0000e+02	9.7050e+02
	7th	9.1653e+02	8.7850e+02	8.0000e+02	7.4063e+02	1.0888e+03
	13^{th}(Median)	9.7174e+02	9.7069e+02	8.8949e+02	7.5416e+02	1.1854e+03
	19th	9.8668e+02	9.8881e+02	1.1471e+03	8.0000e+02	1.2205e+03
	25^{th}(Worst)	1.0153e+03	1.0153e+03	1.2432e+03	8.0735e+02	1.2544e+03
	Mean	9.2850e+02	9.1490e+02	9.4107e+02	7.3407e+02	1.1407e+03
	Stdev	9.2790e+01	1.2522e+02	2.0632e+02	1.2020e+02	9.4568e+01

Table B.13   Drift - Self Adaptive. $l = 10$. f1-6

FE		1	2	3	5	6
1e3	1^{st}(Best)	5.0501e+01	2.8103e+03	4.9318e+06	2.7184e+03	6.8117e+04
	7th	2.4898e+02	8.1806e+03	3.5060e+07	5.5457e+03	3.3101e+06
	13^{th}(Median)	4.3650e+02	9.7247e+03	5.5456e+07	7.8146e+03	1.3025e+07
	19th	8.5645e+02	1.6463e+04	9.3394e+07	1.1113e+04	8.0397e+07
	25^{th}(Worst)	1.7375e+04	2.3923e+04	3.2050e+08	2.0609e+04	1.7696e+09
	Mean	1.6389e+03	1.1840e+04	6.9930e+07	8.9976e+03	2.0460e+08
	Stdev	3.8370e+03	6.0240e+03	6.0913e+07	4.8214e+03	4.5453e+08
1e4	1^{st}(Best)	2.4833e-01	1.0057e+03	6.2626e+05	1.1643e+03	5.1496e+02
	7th	8.0093e+00	2.2893e+03	3.9972e+06	2.2823e+03	7.7511e+03
	13^{th}(Median)	2.0379e+01	3.3756e+03	6.2263e+06	4.1083e+03	2.0251e+04
	19th	3.3202e+01	4.4692e+03	9.5277e+06	5.1633e+03	1.1728e+05
	25^{th}(Worst)	7.6837e+02	6.7863e+03	2.1682e+07	9.2393e+03	2.3041e+06
	Mean	6.0183e+01	3.3469e+03	7.0385e+06	3.9887e+03	2.4040e+05
	Stdev	1.4922e+02	1.5059e+03	4.8123e+06	1.9391e+03	5.2163e+05
1e5	1^{st}(Best)	6.2189e-08	7.9727e+01	5.3574e+05	5.7063e+02	1.3461e+01
	7th	6.5714e-02	1.9312e+02	1.1446e+06	1.2844e+03	2.1368e+02
	13^{th}(Median)	3.9586e-01	3.4312e+02	1.5909e+06	1.8224e+03	5.7865e+02
	19th	2.4373e+00	5.4162e+02	3.5429e+06	2.2696e+03	1.4785e+03
	25^{th}(Worst)	3.0263e+01	1.4557e+03	7.6938e+06	3.1311e+03	6.1103e+03
	Mean	3.1206e+00	4.7261e+02	2.5196e+06	1.8082e+03	1.2205e+03
	Stdev	6.3880e+00	3.8652e+02	2.1341e+06	6.7949e+02	1.6123e+03

Table B.14   Drift - Self Adaptive. $l = 10$. f8-12

FE		8	9	10	11	12
1e3	1st(Best)	2.0496e+01	6.4945e+00	4.1510e+01	7.6697e+00	3.8895e+03
	7th	2.0689e+01	1.4426e+01	6.5854e+01	1.0293e+01	8.9321e+03
	13th(Median)	2.0736e+01	1.8558e+01	7.6776e+01	1.0889e+01	1.2508e+04
	19th	2.0868e+01	2.7925e+01	1.0135e+02	1.1359e+01	2.2822e+04
	25th(Worst)	2.1109e+01	5.2867e+01	1.4437e+02	1.2409e+01	8.2437e+04
	Mean	2.0766e+01	2.3200e+01	8.3877e+01	1.0756e+01	2.0933e+04
	Stdev	1.6294e-01	1.2611e+01	2.9819e+01	1.1024e+00	1.9047e+04
1e4	1st(Best)	2.0249e+01	2.1857e-01	8.0454e+00	3.9113e+00	8.5680e+02
	7th	2.0505e+01	2.1042e+00	2.2404e+01	6.9551e+00	2.6842e+03
	13th(Median)	2.0604e+01	3.1794e+00	3.2036e+01	7.8509e+00	4.7425e+03
	19th	2.0655e+01	4.0280e+00	4.2085e+01	8.7174e+00	5.2025e+03
	25th(Worst)	2.0926e+01	9.5655e+00	6.4850e+01	1.1048e+01	1.7600e+04
	Mean	2.0584e+01	3.3997e+00	3.2642e+01	7.7872e+00	4.6291e+03
	Stdev	1.3810e-01	1.9095e+00	1.4031e+01	1.5436e+00	3.1707e+03
1e5	1st(Best)	2.0141e+01	2.9858e-03	1.6329e+00	3.1214e+00	2.3599e+01
	7th	2.0285e+01	8.9253e-03	1.1587e+01	4.4773e+00	4.6899e+02
	13th(Median)	2.0395e+01	2.7586e-02	1.2957e+01	5.9923e+00	1.0830e+03
	19th	2.0432e+01	1.4806e-01	1.4942e+01	7.2356e+00	1.6284e+03
	25th(Worst)	2.0687e+01	5.9809e+00	1.9192e+01	9.5342e+00	5.1578e+03
	Mean	2.0369e+01	4.3042e-01	1.3229e+01	6.1467e+00	1.3752e+03
	Stdev	1.3557e-01	1.1919e+00	3.8310e+00	1.7015e+00	1.2846e+03

Table B.15   Drift - Self Adaptive. $l = 10$. f13-18

FE		13	14	15	16	18
1e3	1^{st}(Best)	3.0465e+00	3.8004e+00	1.3082e+02	2.1153e+02	9.2436e+02
	7th	6.6961e+00	4.1377e+00	2.3205e+02	2.7089e+02	1.0780e+03
	13^{th}(Median)	1.3572e+01	4.3221e+00	5.5729e+02	3.0959e+02	1.0836e+03
	19th	1.4857e+02	4.4672e+00	6.3145e+02	3.6055e+02	1.1108e+03
	25^{th}(Worst)	6.5086e+03	4.5381e+00	1.0894e+03	6.9322e+02	1.2929e+03
	Mean	4.4379e+02	4.2963e+00	4.8507e+02	3.4342e+02	1.0897e+03
	Stdev	1.3190e+03	1.9797e-01	2.3955e+02	1.1186e+02	5.7313e+01
1e4	1^{st}(Best)	1.0175e+00	3.3265e+00	4.1707e+01	1.4026e+02	8.3311e+02
	7th	1.8237e+00	3.5816e+00	9.8789e+01	1.6859e+02	9.9170e+02
	13^{th}(Median)	2.3046e+00	3.8563e+00	1.4105e+02	1.8725e+02	1.0354e+03
	19th	3.6457e+00	4.0233e+00	4.7874e+02	2.1060e+02	1.0812e+03
	25^{th}(Worst)	5.7478e+00	4.1783e+00	6.3981e+02	2.6529e+02	1.1124e+03
	Mean	2.7963e+00	3.8167e+00	2.7118e+02	1.9046e+02	1.0236e+03
	Stdev	1.4012e+00	2.4658e-01	2.0936e+02	3.1447e+01	6.8050e+01
1e5	1^{st}(Best)	2.8056e-01	2.0025e+00	1.8934e-01	1.0930e+02	4.3211e+02
	7th	6.1660e-01	3.1025e+00	5.6990e+01	1.2410e+02	8.0212e+02
	13^{th}(Median)	7.4515e-01	3.3224e+00	2.0687e+02	1.3307e+02	9.6796e+02
	19th	9.4382e-01	3.5657e+00	4.2795e+02	1.4838e+02	1.0031e+03
	25^{th}(Worst)	2.0158e+00	4.0349e+00	4.7730e+02	1.6659e+02	1.0550e+03
	Mean	8.1386e-01	3.3293e+00	2.4357e+02	1.3548e+02	9.1221e+02
	Stdev	3.4079e-01	4.1248e-01	1.8809e+02	1.8056e+01	1.3030e+02

Table B.16   Drift - Self Adaptive. $l = 10$. f19-23

FE		19	20	21	22	23
1e3	1st(Best)	9.2426e+02	9.2426e+02	7.0568e+02	8.3418e+02	1.2202e+03
	7th	1.0666e+03	1.0666e+03	1.1983e+03	1.0295e+03	1.2742e+03
	13th(Median)	1.0853e+03	1.0853e+03	1.2810e+03	1.0819e+03	1.2959e+03
	19th	1.1197e+03	1.1197e+03	1.3129e+03	1.1217e+03	1.3249e+03
	25th(Worst)	1.2929e+03	1.2929e+03	1.4728e+03	2.0056e+03	1.4654e+03
	Mean	1.0940e+03	1.0943e+03	1.2173e+03	1.1092e+03	1.3029e+03
	Stdev	6.0514e+01	6.0793e+01	1.8274e+02	2.0882e+02	4.9935e+01
1e4	1st(Best)	8.0600e+02	8.0600e+02	5.0842e+02	7.6709e+02	5.5952e+02
	7th	9.9168e+02	9.9168e+02	1.1331e+03	8.1312e+02	1.1978e+03
	13th(Median)	1.0293e+03	1.0331e+03	1.2070e+03	8.5869e+02	1.2462e+03
	19th	1.0608e+03	1.0676e+03	1.2595e+03	9.1797e+02	1.2729e+03
	25th(Worst)	1.0981e+03	1.0981e+03	1.2907e+03	1.0048e+03	1.3150e+03
	Mean	1.0024e+03	1.0033e+03	1.0938e+03	8.7000e+02	1.1864e+03
	Stdev	8.7534e+01	8.7952e+01	2.6254e+02	7.0758e+01	1.7907e+02
1e5	1st(Best)	3.8347e+02	3.8393e+02	5.0000e+02	3.0867e+02	5.5947e+02
	7th	8.0065e+02	8.0086e+02	5.0953e+02	7.6344e+02	1.0769e+03
	13th(Median)	8.5693e+02	8.9654e+02	1.0445e+03	7.7082e+02	1.1806e+03
	19th	9.5397e+02	9.7042e+02	1.1257e+03	8.0368e+02	1.2408e+03
	25th(Worst)	1.0390e+03	1.0487e+03	1.2012e+03	8.4197e+02	1.2852e+03
	Mean	8.5036e+02	8.6225e+02	9.1979e+02	7.6523e+02	1.0822e+03
	Stdev	1.5431e+02	1.5062e+02	2.7253e+02	9.6813e+01	2.3899e+02

Table B.17 Parameterless - Set Values. $l = 10$. f1-6

FE		1	2	3	5	6
1e3	1^{st}(Best)	3.3936e+01	1.2911e+03	1.9876e+06	3.0726e+03	1.4886e+05
	7th	3.5140e+02	1.9679e+03	7.5279e+06	4.1048e+03	1.3976e+06
	13^{th}(Median)	5.7160e+02	2.7012e+03	1.6181e+07	4.2969e+03	2.6633e+06
	19th	7.5837e+02	3.6643e+03	2.6958e+07	4.9239e+03	8.0268e+06
	25^{th}(Worst)	1.2735e+03	7.9854e+03	6.1238e+07	6.8179e+03	3.7772e+07
	Mean	5.7184e+02	3.1057e+03	1.9888e+07	4.4485e+03	6.1454e+06
	Stdev	2.7209e+02	1.5675e+03	1.5298e+07	8.8826e+02	8.4572e+06
1e4	1^{st}(Best)	2.5516e+01	2.5409e+02	7.8536e+05	1.2906e+03	1.9661e+04
	7th	6.0380e+01	4.7985e+02	2.3582e+06	1.9810e+03	1.1715e+05
	13^{th}(Median)	1.0441e+02	6.4555e+02	3.6650e+06	2.2945e+03	2.1322e+05
	19th	1.4803e+02	9.4267e+02	6.1103e+06	2.7699e+03	3.9983e+05
	25^{th}(Worst)	2.5723e+02	1.2127e+03	1.2896e+07	3.8814e+03	1.4315e+06
	Mean	1.1119e+02	7.1245e+02	4.4026e+06	2.3781e+03	3.7785e+05
	Stdev	5.9314e+01	2.9394e+02	2.7628e+06	6.1876e+02	4.1577e+05
1e5	1^{st}(Best)	3.7298e+00	1.1628e+02	1.6457e+05	8.6322e+02	2.7147e+02
	7th	8.9187e+00	1.8479e+02	7.9637e+05	1.1219e+03	2.6209e+03
	13^{th}(Median)	1.5712e+01	2.6215e+02	1.3389e+06	1.2776e+03	6.4360e+03
	19th	2.7255e+01	3.4387e+02	2.2040e+06	1.5497e+03	8.9237e+03
	25^{th}(Worst)	8.6841e+01	5.8647e+02	3.5129e+06	2.4212e+03	3.6405e+04
	Mean	2.0897e+01	2.8576e+02	1.4879e+06	1.3909e+03	9.0530e+03
	Stdev	1.7651e+01	1.1565e+02	8.7060e+05	3.6325e+02	9.4086e+03

Table B.18   Parameterless - Set Values. $l = 10$. f8-12

FE		8	9	10	11	12
1e3	1st(Best)	2.0493e+01	1.5518e+01	3.0840e+01	7.0728e+00	6.4669e+03
	7th	2.0606e+01	2.2191e+01	6.0926e+01	9.2344e+00	1.0324e+04
	13th(Median)	2.0713e+01	2.4175e+01	6.5201e+01	1.0345e+01	1.1426e+04
	19th	2.0796e+01	3.3495e+01	7.0952e+01	1.1055e+01	1.3756e+04
	25th(Worst)	2.0908e+01	3.8281e+01	8.6478e+01	1.1965e+01	1.8277e+04
	Mean	2.0705e+01	2.6860e+01	6.5396e+01	9.9142e+00	1.2096e+04
	Stdev	1.2012e-01	6.8460e+00	1.1499e+01	1.2992e+00	3.2699e+03
1e4	1st(Best)	2.0305e+01	6.0695e+00	2.7856e+01	6.3959e+00	1.0276e+03
	7th	2.0503e+01	9.7144e+00	3.8320e+01	8.2241e+00	3.0928e+03
	13th(Median)	2.0550e+01	1.1074e+01	4.4422e+01	8.7133e+00	4.8439e+03
	19th	2.0585e+01	1.3055e+01	5.1366e+01	8.8890e+00	5.7411e+03
	25th(Worst)	2.0738e+01	1.7591e+01	5.9410e+01	1.0423e+01	8.6915e+03
	Mean	2.0542e+01	1.1458e+01	4.4434e+01	8.5446e+00	4.4817e+03
	Stdev	9.1381e-02	2.9251e+00	8.4841e+00	9.8338e-01	1.7738e+03
1e5	1st(Best)	2.0195e+01	1.7119e+00	1.6648e+01	5.5972e+00	4.5145e+02
	7th	2.0324e+01	3.1201e+00	2.4046e+01	6.3661e+00	1.1367e+03
	13th(Median)	2.0392e+01	4.0900e+00	2.9887e+01	7.2115e+00	2.0060e+03
	19th	2.0457e+01	4.7516e+00	3.3542e+01	7.4510e+00	3.0069e+03
	25th(Worst)	2.0489e+01	6.4567e+00	4.2407e+01	8.3970e+00	4.1628e+03
	Mean	2.0380e+01	4.0052e+00	2.9169e+01	6.9944e+00	2.1100e+03
	Stdev	8.0122e-02	1.2676e+00	7.2214e+00	8.1931e-01	1.0980e+03

Table B.19 Parameterless - Set Values. $l = 10$. f13-18

FE		13	14	15	16	18
1e3	1^{st}(Best)	8.5005e+00	3.8463e+00	2.1308e+02	1.6796e+02	8.3636e+02
	7th	9.9674e+00	4.0607e+00	3.7975e+02	2.2103e+02	9.8874e+02
	13^{th}(Median)	1.1959e+01	4.2234e+00	6.0921e+02	2.4005e+02	1.0314e+03
	19th	2.1184e+01	4.3359e+00	6.2800e+02	2.6543e+02	1.0667e+03
	25^{th}(Worst)	3.9811e+01	4.5352e+00	6.4659e+02	3.3357e+02	1.1128e+03
	Mean	1.5943e+01	4.2113e+00	4.9993e+02	2.4405e+02	1.0239e+03
	Stdev	8.2096e+00	1.6560e-01	1.5015e+02	3.7076e+01	6.6752e+01
1e4	1^{st}(Best)	2.6766e+00	3.6852e+00	1.0414e+02	1.4374e+02	6.1149e+02
	7th	4.4063e+00	3.8651e+00	1.7384e+02	1.7610e+02	8.1284e+02
	13^{th}(Median)	4.9273e+00	3.9819e+00	4.3746e+02	1.8913e+02	8.6739e+02
	19th	5.9474e+00	4.0332e+00	5.3577e+02	2.1385e+02	9.4349e+02
	25^{th}(Worst)	7.3441e+00	4.2252e+00	6.1234e+02	2.5293e+02	1.0459e+03
	Mean	5.0869e+00	3.9612e+00	3.7944e+02	1.9267e+02	8.4797e+02
	Stdev	1.1946e+00	1.3177e-01	1.8440e+02	2.4997e+01	1.1996e+02
1e5	1^{st}(Best)	9.9311e-01	3.5284e+00	6.7686e+01	1.1801e+02	4.4792e+02
	7th	1.6649e+00	3.6376e+00	9.3733e+01	1.4202e+02	5.4353e+02
	13^{th}(Median)	2.1884e+00	3.7038e+00	3.4272e+02	1.5803e+02	8.0320e+02
	19th	2.7471e+00	3.7789e+00	4.5355e+02	1.7086e+02	8.1852e+02
	25^{th}(Worst)	4.2680e+00	3.8476e+00	5.0289e+02	1.9774e+02	9.6061e+02
	Mean	2.2689e+00	3.6989e+00	2.8337e+02	1.5595e+02	7.1339e+02
	Stdev	7.4216e-01	9.7628e-02	1.7493e+02	2.0467e+01	1.6829e+02

Table B.20   Parameterless - Set Values. $l = 10$. f19-23

FE		19	20	21	22	23
1e3	1st(Best)	9.0465e+02	9.0466e+02	8.2363e+02	8.2030e+02	9.3715e+02
	7th	1.0025e+03	1.0025e+03	1.2037e+03	8.5973e+02	1.0517e+03
	13th(Median)	1.0348e+03	1.0348e+03	1.2610e+03	8.9509e+02	1.2121e+03
	19th	1.0618e+03	1.0561e+03	1.2888e+03	9.3601e+02	1.2678e+03
	25th(Worst)	1.1173e+03	1.1176e+03	1.3279e+03	1.0250e+03	1.3113e+03
	Mean	1.0291e+03	1.0278e+03	1.2043e+03	9.0433e+02	1.1661e+03
	Stdev	5.1788e+01	5.2232e+01	1.3652e+02	6.1968e+01	1.1562e+02
1e4	1st(Best)	6.2758e+02	6.2758e+02	5.5832e+02	8.0750e+02	6.1206e+02
	7th	8.1470e+02	7.7800e+02	8.9342e+02	8.1556e+02	7.2221e+02
	13th(Median)	8.6423e+02	8.5489e+02	1.0983e+03	8.2338e+02	9.6313e+02
	19th	9.5563e+02	9.5567e+02	1.2046e+03	8.4633e+02	1.1186e+03
	25th(Worst)	1.0461e+03	1.0298e+03	1.2774e+03	8.8566e+02	1.2254e+03
	Mean	8.5899e+02	8.5061e+02	1.0022e+03	8.3116e+02	9.3207e+02
	Stdev	1.1676e+02	1.1655e+02	2.5212e+02	2.1262e+01	2.1638e+02
1e5	1st(Best)	4.8839e+02	4.7217e+02	5.0405e+02	7.7371e+02	5.5962e+02
	7th	5.8373e+02	5.4894e+02	5.1732e+02	8.0038e+02	5.6834e+02
	13th(Median)	8.0360e+02	8.0167e+02	5.4996e+02	8.0442e+02	6.0339e+02
	19th	8.1567e+02	8.1581e+02	7.6482e+02	8.1080e+02	9.5559e+02
	25th(Worst)	9.8482e+02	9.8023e+02	1.1162e+03	8.2214e+02	1.1565e+03
	Mean	7.3320e+02	7.2414e+02	6.8938e+02	8.0457e+02	7.4674e+02
	Stdev	1.5347e+02	1.6454e+02	2.1989e+02	1.1296e+01	2.1410e+02

Table B.21   Parameterless - Self Adaptive. $l = 10$. f1-6

FE		1	2	3	5	6
1e3	1st(Best)	5.0501e+01	2.8103e+03	4.9318e+06	2.7184e+03	6.8117e+04
	7th	2.4898e+02	8.1806e+03	3.5060e+07	5.5457e+03	3.3101e+06
	13th(Median)	4.3650e+02	9.7247e+03	5.5456e+07	7.8146e+03	1.3025e+07
	19th	8.5645e+02	1.6463e+04	9.3394e+07	1.1113e+04	8.0397e+07
	25th(Worst)	1.7375e+04	2.3923e+04	3.2050e+08	2.0609e+04	1.7696e+09
	Mean	1.6389e+03	1.1840e+04	6.9930e+07	8.9976e+03	2.0460e+08
	Stdev	3.8370e+03	6.0240e+03	6.0913e+07	4.8214e+03	4.5453e+08
1e4	1st(Best)	1.7718e+00	1.2630e+03	5.8084e+05	8.0041e+02	3.3057e+02
	7th	5.9200e+00	1.7546e+03	2.9844e+06	1.7582e+03	9.4979e+02
	13th(Median)	1.2991e+01	3.1397e+03	9.2998e+06	2.4653e+03	5.2950e+03
	19th	2.5382e+01	4.3752e+03	1.4857e+07	4.0966e+03	1.9879e+04
	25th(Worst)	7.5028e+01	6.2589e+03	3.1444e+07	7.2691e+03	4.5390e+05
	Mean	2.0094e+01	3.1764e+03	1.0640e+07	3.0326e+03	3.7694e+04
	Stdev	2.0100e+01	1.5616e+03	8.4903e+06	1.8031e+03	9.2150e+04
1e5	1st(Best)	6.3190e-04	2.3524e+01	1.2919e+05	4.9821e+02	8.7997e+00
	7th	3.4289e-02	3.6518e+02	6.7758e+05	7.9871e+02	7.6850e+01
	13th(Median)	9.8631e-02	6.6160e+02	2.2856e+06	1.4687e+03	1.7874e+02
	19th	4.9721e-01	8.8663e+02	4.6729e+06	2.0797e+03	2.7709e+02
	25th(Worst)	2.0372e+01	1.9413e+03	1.1894e+07	3.3807e+03	1.6946e+04
	Mean	1.0670e+00	7.0681e+02	3.3754e+06	1.5763e+03	9.3140e+02
	Stdev	3.9548e+00	4.7009e+02	3.1971e+06	8.5930e+02	3.2844e+03

Table B.22 Parameterless - Self Adaptive. $l = 10$. f8-12

FE		8	9	10	11	12
1e3	1st(Best)	2.0496e+01	6.4945e+00	4.1510e+01	7.6697e+00	3.8895e+03
	7th	2.0689e+01	1.4426e+01	6.5854e+01	1.0293e+01	8.9321e+03
	13th(Median)	2.0736e+01	1.8558e+01	7.6776e+01	1.0889e+01	1.2508e+04
	19th	2.0868e+01	2.7925e+01	1.0135e+02	1.1359e+01	2.2822e+04
	25th(Worst)	2.1109e+01	5.2867e+01	1.4437e+02	1.2409e+01	8.2437e+04
	Mean	2.0766e+01	2.3200e+01	8.3877e+01	1.0756e+01	2.0933e+04
	Stdev	1.6294e-01	1.2611e+01	2.9819e+01	1.1024e+00	1.9047e+04
1e4	1st(Best)	2.0116e+01	9.9930e-01	2.2235e+01	6.1259e+00	4.5637e+02
	7th	2.0498e+01	2.0126e+00	2.8939e+01	7.6740e+00	2.9149e+03
	13th(Median)	2.0527e+01	2.9932e+00	3.5384e+01	8.2822e+00	3.2566e+03
	19th	2.0616e+01	4.2380e+00	4.1850e+01	9.2297e+00	4.4894e+03
	25th(Worst)	2.0755e+01	9.7142e+00	6.1489e+01	1.0264e+01	1.6389e+04
	Mean	2.0528e+01	3.3491e+00	3.8169e+01	8.3457e+00	3.8560e+03
	Stdev	1.4673e-01	2.1664e+00	1.1009e+01	1.1199e+00	3.0565e+03
1e5	1st(Best)	2.0094e+01	5.7172e-04	1.0607e+01	4.5259e+00	6.8694e+01
	7th	2.0296e+01	3.9711e-03	2.1054e+01	6.4586e+00	2.9438e+02
	13th(Median)	2.0358e+01	1.2195e-02	2.3070e+01	6.9742e+00	1.8395e+03
	19th	2.0412e+01	1.5257e-01	3.4220e+01	8.4510e+00	2.5670e+03
	25th(Worst)	2.0499e+01	2.0569e+00	6.0971e+01	9.5733e+00	1.4242e+04
	Mean	2.0340e+01	4.6505e-01	2.7916e+01	7.1920e+00	2.0955e+03
	Stdev	9.4769e-02	8.0812e-01	1.2073e+01	1.3090e+00	2.7538e+03

Table B.23 Parameterless - Self Adaptive. $l = 10$. f13-18

FE		13	14	15	16	18
1e3	1st(Best)	3.0465e+00	3.8004e+00	1.3082e+02	2.1153e+02	9.2436e+02
	7th	6.6961e+00	4.1377e+00	2.3205e+02	2.7089e+02	1.0780e+03
	13th(Median)	1.3572e+01	4.3221e+00	5.5729e+02	3.0959e+02	1.0836e+03
	19th	1.4857e+02	4.4672e+00	6.3145e+02	3.6055e+02	1.1108e+03
	25th(Worst)	6.5086e+03	4.5381e+00	1.0894e+03	6.9322e+02	1.2929e+03
	Mean	4.4379e+02	4.2963e+00	4.8507e+02	3.4342e+02	1.0897e+03
	Stdev	1.3190e+03	1.9797e-01	2.3955e+02	1.1186e+02	5.7313e+01
1e4	1st(Best)	6.6057e-01	3.5396e+00	2.5615e+00	1.2141e+02	8.0212e+02
	7th	1.2311e+00	3.8562e+00	8.8490e+01	1.6376e+02	1.0302e+03
	13th(Median)	1.8623e+00	4.0083e+00	2.3119e+02	1.8756e+02	1.0407e+03
	19th	2.8278e+00	4.1076e+00	4.4818e+02	2.2108e+02	1.0521e+03
	25th(Worst)	8.7084e+00	4.2561e+00	6.6245e+02	2.8450e+02	1.1002e+03
	Mean	2.2513e+00	3.9554e+00	2.8897e+02	1.9531e+02	1.0227e+03
	Stdev	1.6375e+00	1.8952e-01	2.0209e+02	3.9713e+01	7.2760e+01
1e5	1st(Best)	3.3107e-01	3.0451e+00	4.4143e-02	1.1415e+02	8.0022e+02
	7th	6.6430e-01	3.5295e+00	5.8317e+01	1.4355e+02	9.4827e+02
	13th(Median)	8.9856e-01	3.6344e+00	2.1105e+02	1.7255e+02	1.0202e+03
	19th	1.1493e+00	3.8347e+00	4.3055e+02	2.0920e+02	1.0455e+03
	25th(Worst)	1.7733e+00	4.0531e+00	6.0244e+02	2.5344e+02	1.0847e+03
	Mean	9.3049e-01	3.6650e+00	2.4525e+02	1.7138e+02	9.7738e+02
	Stdev	3.7447e-01	2.3281e-01	1.9814e+02	3.8671e+01	9.6011e+01

Table B.24 Parameterless - Self Adaptive. $l = 10$. f19-23

FE		19	20	21	22	23
1e3	1st(Best)	9.2426e+02	9.2426e+02	7.0568e+02	8.3418e+02	1.2202e+03
	7th	1.0666e+03	1.0666e+03	1.1983e+03	1.0295e+03	1.2742e+03
	13th(Median)	1.0853e+03	1.0853e+03	1.2810e+03	1.0819e+03	1.2959e+03
	19th	1.1197e+03	1.1197e+03	1.3129e+03	1.1217e+03	1.3249e+03
	25th(Worst)	1.2929e+03	1.2929e+03	1.4728e+03	2.0056e+03	1.4654e+03
	Mean	1.0940e+03	1.0943e+03	1.2173e+03	1.1092e+03	1.3029e+03
	Stdev	6.0514e+01	6.0793e+01	1.8274e+02	2.0882e+02	4.9935e+01
1e4	1st(Best)	8.0900e+02	8.0212e+02	5.0022e+02	7.6947e+02	5.5577e+02
	7th	1.0209e+03	9.6282e+02	5.2394e+02	8.2233e+02	1.1864e+03
	13th(Median)	1.0440e+03	1.0272e+03	1.1070e+03	9.1215e+02	1.2139e+03
	19th	1.0796e+03	1.0796e+03	1.1841e+03	9.6083e+02	1.2644e+03
	25th(Worst)	1.1205e+03	1.1205e+03	1.2931e+03	1.0736e+03	1.3107e+03
	Mean	1.0241e+03	1.0086e+03	9.4083e+02	9.0607e+02	1.1492e+03
	Stdev	8.5551e+01	8.6422e+01	3.0787e+02	8.7787e+01	1.9965e+02
1e5	1st(Best)	8.0089e+02	8.0018e+02	5.0000e+02	7.6398e+02	5.5396e+02
	7th	9.2539e+02	9.3840e+02	5.0066e+02	7.9435e+02	1.1311e+03
	13th(Median)	9.9781e+02	1.0025e+03	1.0051e+03	8.5733e+02	1.2092e+03
	19th	1.0452e+03	1.0289e+03	1.1559e+03	9.4682e+02	1.2328e+03
	25th(Worst)	1.0961e+03	1.0839e+03	1.2534e+03	9.9930e+02	1.3107e+03
	Mean	9.6798e+02	9.7454e+02	8.6622e+02	8.6376e+02	1.1144e+03
	Stdev	9.6367e+01	8.1706e+01	3.0687e+02	7.8755e+01	2.2234e+02

Table B.25 Typical - Set Values. $l = 10$. f1-6

FE		1	2	3	5	6
1e3	1^{st}(Best)	1.9316e+03	3.9690e+03	1.0329e+07	6.8390e+03	4.5891e+07
	7th	2.3721e+03	5.8318e+03	2.6038e+07	8.0703e+03	1.2768e+08
	13^{th}(Median)	3.1767e+03	8.9926e+03	3.7164e+07	9.1969e+03	1.6913e+08
	19th	5.0333e+03	1.0416e+04	4.5417e+07	1.0599e+04	4.2741e+08
	25^{th}(Worst)	7.5626e+03	1.3466e+04	7.9256e+07	1.2141e+04	7.2355e+08
	Mean	3.6813e+03	8.1870e+03	3.8821e+07	9.2775e+03	2.7551e+08
	Stdev	1.4814e+03	2.5602e+03	1.7576e+07	1.6021e+03	1.8258e+08
1e4	1^{st}(Best)	3.0322e+02	7.0495e+02	2.3944e+06	2.2972e+03	5.3859e+05
	7th	3.9975e+02	1.5295e+03	4.3479e+06	4.0918e+03	3.2862e+06
	13^{th}(Median)	4.5333e+02	1.8952e+03	6.1328e+06	4.4627e+03	4.3371e+06
	19th	6.2993e+02	2.3613e+03	8.6707e+06	4.9853e+03	8.2215e+06
	25^{th}(Worst)	1.0193e+03	3.2410e+03	1.9946e+07	5.9856e+03	1.4622e+07
	Mean	5.3568e+02	1.9439e+03	7.0969e+06	4.4938e+03	5.8612e+06
	Stdev	1.8749e+02	6.1534e+02	4.0176e+06	8.3758e+02	3.7988e+06
1e5	1^{st}(Best)	6.0032e+01	3.4776e+02	3.9996e+05	1.4864e+03	1.4952e+04
	7th	9.5836e+01	4.9572e+02	1.1518e+06	1.9845e+03	1.1686e+05
	13^{th}(Median)	1.1567e+02	6.8047e+02	1.8697e+06	2.3891e+03	2.2471e+05
	19th	1.5330e+02	8.3192e+02	3.0384e+06	2.6880e+03	2.7955e+05
	25^{th}(Worst)	2.8623e+02	1.1858e+03	7.1333e+06	3.3188e+03	6.1350e+05
	Mean	1.3069e+02	6.9041e+02	2.2237e+06	2.3642e+03	2.3489e+05
	Stdev	5.4699e+01	2.1965e+02	1.4580e+06	4.7959e+02	1.5428e+05

Table B.26 Typical - Set Values. $l = 10$. f8-12

FE		8	9	10	11	12
1e3	1st(Best)	2.0276e+01	4.4413e+01	6.0008e+01	9.6402e+00	1.4964e+04
	7th	2.0642e+01	5.7312e+01	8.2200e+01	1.0898e+01	2.7180e+04
	13th(Median)	2.0709e+01	6.5485e+01	8.8990e+01	1.1410e+01	3.4833e+04
	19th	2.0743e+01	6.9388e+01	9.5007e+01	1.2177e+01	4.2788e+04
	25th(Worst)	2.0855e+01	7.7862e+01	1.0478e+02	1.2890e+01	6.8522e+04
	Mean	2.0676e+01	6.3592e+01	8.7971e+01	1.1522e+01	3.5751e+04
	Stdev	1.2415e-01	8.7221e+00	1.0061e+01	8.3836e-01	1.1833e+04
1e4	1st(Best)	2.0204e+01	2.6793e+01	3.7993e+01	8.3886e+00	3.7911e+03
	7th	2.0494e+01	3.3019e+01	4.7902e+01	9.1840e+00	8.0765e+03
	13th(Median)	2.0523e+01	3.7948e+01	5.2799e+01	9.9464e+00	9.4239e+03
	19th	2.0556e+01	4.1637e+01	5.8625e+01	1.0448e+01	1.1175e+04
	25th(Worst)	2.0671e+01	4.5862e+01	6.3468e+01	1.1329e+01	1.5877e+04
	Mean	2.0498e+01	3.7493e+01	5.3072e+01	9.8622e+00	9.6854e+03
	Stdev	1.1988e-01	5.0409e+00	6.6619e+00	7.9870e-01	2.7051e+03
1e5	1st(Best)	2.0204e+01	1.0106e+01	2.7039e+01	5.7391e+00	1.9011e+03
	7th	2.0340e+01	1.4220e+01	3.4649e+01	7.6640e+00	2.6149e+03
	13th(Median)	2.0383e+01	1.8174e+01	4.0511e+01	8.1743e+00	3.7047e+03
	19th	2.0416e+01	2.0476e+01	4.3727e+01	8.8235e+00	4.3042e+03
	25th(Worst)	2.0493e+01	2.9439e+01	4.8296e+01	9.6665e+00	6.5178e+03
	Mean	2.0375e+01	1.7967e+01	3.8765e+01	8.1361e+00	3.6577e+03
	Stdev	6.3111e-02	4.4262e+00	5.5982e+00	9.1872e-01	1.2626e+03

Table B.27 Typical - Set Values. $l = 10$. f13-18

FE		13	14	15	16	18
1e3	1^{st}(Best)	5.8261e+01	3.9900e+00	5.4435e+02	2.7713e+02	1.0680e+03
	7th	1.5022e+02	4.2970e+00	6.3042e+02	2.9418e+02	1.1188e+03
	13^{th}(Median)	2.4306e+02	4.3492e+00	6.8354e+02	3.3871e+02	1.1402e+03
	19th	3.9483e+02	4.4132e+00	7.1208e+02	3.5030e+02	1.1520e+03
	25^{th}(Worst)	1.8851e+03	4.5339e+00	7.6211e+02	4.5716e+02	1.1923e+03
	Mean	4.1616e+02	4.3468e+00	6.7321e+02	3.3574e+02	1.1369e+03
	Stdev	4.6589e+02	1.1838e-01	5.4608e+01	4.5971e+01	2.8133e+01
1e4	1^{st}(Best)	7.5724e+00	3.6590e+00	2.9698e+02	1.5776e+02	8.5552e+02
	7th	1.1861e+01	3.9215e+00	4.2482e+02	2.0546e+02	9.8868e+02
	13^{th}(Median)	1.3225e+01	4.0428e+00	5.3386e+02	2.2506e+02	1.0243e+03
	19th	1.4890e+01	4.1121e+00	6.1381e+02	2.3639e+02	1.0568e+03
	25^{th}(Worst)	2.1824e+01	4.2187e+00	6.4302e+02	2.5751e+02	1.0896e+03
	Mean	1.3460e+01	4.0119e+00	5.1244e+02	2.2128e+02	1.0102e+03
	Stdev	3.2915e+00	1.4647e-01	1.0258e+02	2.2553e+01	5.7511e+01
1e5	1^{st}(Best)	2.3893e+00	3.4053e+00	1.6317e+02	1.4573e+02	4.6225e+02
	7th	5.8031e+00	3.6415e+00	2.2359e+02	1.6224e+02	7.4342e+02
	13^{th}(Median)	6.4170e+00	3.7625e+00	2.6632e+02	1.8066e+02	8.4691e+02
	19th	6.8764e+00	3.8339e+00	3.7288e+02	1.9238e+02	8.8233e+02
	25^{th}(Worst)	8.0124e+00	3.9238e+00	5.6055e+02	2.1046e+02	1.0390e+03
	Mean	6.0175e+00	3.7278e+00	3.1608e+02	1.7901e+02	8.0943e+02
	Stdev	1.2440e+00	1.3957e-01	1.2866e+02	1.8411e+01	1.1978e+02

Table B.28 Typical - Set Values. $l = 10$. f19-23

FE		19	20	21	22	23
1e3	1st(Best)	1.0678e+03	1.0678e+03	1.2000e+03	9.2653e+02	1.2543e+03
	7th	1.1141e+03	1.1141e+03	1.3021e+03	9.8307e+02	1.3153e+03
	13th(Median)	1.1396e+03	1.1403e+03	1.3333e+03	1.0182e+03	1.3206e+03
	19th	1.1507e+03	1.1512e+03	1.3434e+03	1.0628e+03	1.3265e+03
	25th(Worst)	1.1920e+03	1.2076e+03	1.3698e+03	1.1001e+03	1.3602e+03
	Mean	1.1324e+03	1.1346e+03	1.3169e+03	1.0243e+03	1.3193e+03
	Stdev	2.9728e+01	3.2771e+01	4.1244e+01	4.5746e+01	2.1680e+01
1e4	1st(Best)	7.4937e+02	7.4937e+02	7.9691e+02	8.1655e+02	8.9598e+02
	7th	9.7785e+02	9.5944e+02	1.0208e+03	8.4237e+02	1.0980e+03
	13th(Median)	1.0279e+03	9.9232e+02	1.1105e+03	8.4785e+02	1.1663e+03
	19th	1.0525e+03	1.0503e+03	1.2433e+03	8.5877e+02	1.2552e+03
	25th(Worst)	1.0725e+03	1.0725e+03	1.2797e+03	8.8531e+02	1.2756e+03
	Mean	1.0014e+03	9.9570e+02	1.1205e+03	8.5034e+02	1.1537e+03
	Stdev	7.1678e+01	7.2937e+01	1.2901e+02	1.5795e+01	1.1481e+02
1e5	1st(Best)	5.8972e+02	5.9781e+02	5.6132e+02	7.9009e+02	5.6472e+02
	7th	7.4312e+02	7.3910e+02	6.3816e+02	8.0813e+02	6.7286e+02
	13th(Median)	8.3464e+02	8.4040e+02	7.1413e+02	8.1686e+02	7.4770e+02
	19th	8.6173e+02	8.6630e+02	7.8699e+02	8.2380e+02	8.2658e+02
	25th(Worst)	8.9708e+02	9.5586e+02	1.1600e+03	8.3809e+02	1.1195e+03
	Mean	7.9621e+02	8.1633e+02	7.4905e+02	8.1614e+02	7.7395e+02
	Stdev	8.2636e+01	8.2897e+01	1.6235e+02	1.1315e+01	1.4436e+02

Table B.29 Typical - Self Adaptive. $l = 10$. f1-6

FE		1	2	3	5	6
1e3	1^{st}(Best)	6.9495e+02	2.3217e+03	1.7648e+07	6.3163e+03	6.0491e+07
	7th	2.2618e+03	4.6300e+03	3.0952e+07	7.8912e+03	1.4588e+08
	13^{th}(Median)	3.0820e+03	5.9647e+03	4.5262e+07	8.5641e+03	2.3379e+08
	19th	3.8399e+03	7.7124e+03	5.8280e+07	9.5403e+03	2.7806e+08
	25^{th}(Worst)	6.8349e+03	9.7154e+03	9.3254e+07	1.2178e+04	8.2318e+08
	Mean	3.1477e+03	6.1263e+03	4.5987e+07	8.7001e+03	2.5056e+08
	Stdev	1.2252e+03	2.0674e+03	1.8932e+07	1.3963e+03	1.6509e+08
1e4	1^{st}(Best)	3.3453e-02	1.5690e+02	3.7057e+05	5.4814e+02	7.8513e+02
	7th	2.6764e+00	4.1297e+02	1.0997e+06	1.5379e+03	5.3738e+03
	13^{th}(Median)	6.5789e+00	5.4194e+02	2.2750e+06	2.1823e+03	2.8482e+04
	19th	1.6488e+01	1.1104e+03	4.8225e+06	2.4686e+03	6.9922e+04
	25^{th}(Worst)	1.1139e+02	3.2171e+03	1.0646e+07	3.6472e+03	4.8904e+05
	Mean	2.0274e+01	8.8619e+02	3.3325e+06	2.0745e+03	7.0448e+04
	Stdev	2.9164e+01	7.2195e+02	2.7596e+06	8.3746e+02	1.0671e+05
1e5	1^{st}(Best)	5.4070e-08	1.1411e+02	3.7014e+05	5.4785e+02	6.2932e+01
	7th	5.4985e-02	1.7511e+02	8.3568e+05	1.1330e+03	1.7072e+02
	13^{th}(Median)	2.0869e-01	3.8762e+02	2.2126e+06	2.0128e+03	4.0166e+02
	19th	1.6325e+00	7.4414e+02	3.1469e+06	2.3595e+03	7.2811e+02
	25^{th}(Worst)	2.6356e+01	1.9515e+03	8.4385e+06	3.5154e+03	1.6693e+04
	Mean	2.3852e+00	5.4900e+02	2.4345e+06	1.8301e+03	1.3578e+03
	Stdev	5.8598e+00	4.4155e+02	1.8200e+06	8.0722e+02	3.3089e+03

Table B.30 Typical - Self Adaptive. $l = 10$. f8-12

FE		8	9	10	11	12
1e3	1st(Best)	2.0274e+01	3.1705e+01	5.6926e+01	9.4751e+00	1.0624e+04
	7th	2.0659e+01	4.6248e+01	7.2998e+01	1.0699e+01	2.3320e+04
	13th(Median)	2.0749e+01	5.4003e+01	7.7373e+01	1.1017e+01	3.2176e+04
	19th	2.0807e+01	6.1715e+01	8.6923e+01	1.1575e+01	4.0248e+04
	25th(Worst)	2.0926e+01	7.1509e+01	1.0240e+02	1.2908e+01	6.6963e+04
	Mean	2.0716e+01	5.3416e+01	7.8799e+01	1.1022e+01	3.2401e+04
	Stdev	1.4208e-01	9.6370e+00	1.1481e+01	7.5507e-01	1.4032e+04
1e4	1st(Best)	2.0243e+01	6.4451e-01	7.0667e+00	3.9341e+00	2.8813e+02
	7th	2.0457e+01	2.1999e+00	1.4895e+01	6.0968e+00	6.0979e+02
	13th(Median)	2.0547e+01	3.3679e+00	2.3041e+01	6.6290e+00	1.6212e+03
	19th	2.0601e+01	5.0605e+00	2.4498e+01	7.5069e+00	3.9679e+03
	25th(Worst)	2.0755e+01	8.4886e+00	4.7680e+01	9.2661e+00	6.9476e+03
	Mean	2.0533e+01	3.8085e+00	2.0906e+01	6.6815e+00	2.4363e+03
	Stdev	1.2293e-01	1.9313e+00	8.4076e+00	1.2034e+00	2.0771e+03
1e5	1st(Best)	2.0218e+01	3.0352e-03	6.2059e+00	3.8350e+00	9.3213e+01
	7th	2.0304e+01	1.1006e-02	1.1105e+01	6.0294e+00	4.1708e+02
	13th(Median)	2.0378e+01	3.1262e-02	1.7934e+01	6.3960e+00	1.1132e+03
	19th	2.0514e+01	2.0770e-01	2.1133e+01	7.3449e+00	2.4246e+03
	25th(Worst)	2.0671e+01	6.7587e+00	4.5010e+01	9.2659e+00	5.7862e+03
	Mean	2.0410e+01	5.3399e-01	1.7995e+01	6.5809e+00	1.6446e+03
	Stdev	1.2600e-01	1.3678e+00	8.1499e+00	1.2339e+00	1.5429e+03

Table B.31 Typical - Self Adaptive. $l = 10$. f13-18

FE		13	14	15	16	18
1e3	1st(Best)	1.8413e+01	3.9454e+00	4.1074e+02	2.6667e+02	1.0493e+03
	7th	1.8991e+02	4.2355e+00	5.7952e+02	2.9258e+02	1.0900e+03
	13th(Median)	3.8351e+02	4.3370e+00	6.7020e+02	3.1644e+02	1.1203e+03
	19th	6.9466e+02	4.3952e+00	7.0503e+02	3.4357e+02	1.1380e+03
	25th(Worst)	3.9190e+03	4.5708e+00	8.0409e+02	4.1467e+02	1.1716e+03
	Mean	7.1597e+02	4.3161e+00	6.4134e+02	3.2165e+02	1.1153e+03
	Stdev	9.6760e+02	1.3835e-01	9.8836e+01	3.5531e+01	3.0328e+01
1e4	1st(Best)	6.3909e-01	2.7313e+00	6.4749e+01	1.1478e+02	8.0669e+02
	7th	1.1174e+00	3.6354e+00	9.5082e+01	1.3262e+02	9.2876e+02
	13th(Median)	1.4039e+00	3.8502e+00	3.3814e+02	1.4516e+02	9.7534e+02
	19th	1.7776e+00	3.9883e+00	4.3564e+02	1.6121e+02	1.0027e+03
	25th(Worst)	3.0483e+00	4.1813e+00	4.9204e+02	2.0329e+02	1.0564e+03
	Mean	1.4526e+00	3.7702e+00	2.8057e+02	1.4883e+02	9.5563e+02
	Stdev	5.5996e-01	3.2027e-01	1.7073e+02	2.2202e+01	7.3085e+01
1e5	1st(Best)	5.2972e-01	2.3090e+00	7.3626e-02	1.0558e+02	8.0087e+02
	7th	6.7905e-01	3.2404e+00	6.2394e-01	1.2327e+02	8.7037e+02
	13th(Median)	8.8606e-01	3.3787e+00	2.1933e+02	1.3496e+02	9.6843e+02
	19th	1.1550e+00	3.7862e+00	4.2307e+02	1.4551e+02	9.9962e+02
	25th(Worst)	2.3912e+00	4.0843e+00	4.5989e+02	1.9678e+02	1.0542e+03
	Mean	1.0007e+00	3.4139e+00	2.1872e+02	1.3859e+02	9.3940e+02
	Stdev	4.2959e-01	4.4238e-01	1.9626e+02	2.1568e+01	8.1801e+01

Table B.32 Typical - Self Adaptive. $l = 10$. f19-23

FE		19	20	21	22	23
1e3	1st(Best)	1.0711e+03	1.0493e+03	1.1021e+03	8.9218e+02	1.0682e+03
	7th	1.0899e+03	1.1103e+03	1.3052e+03	9.7874e+02	1.2815e+03
	13th(Median)	1.1287e+03	1.1255e+03	1.3207e+03	1.0141e+03	1.3164e+03
	19th	1.1363e+03	1.1356e+03	1.3285e+03	1.0507e+03	1.3277e+03
	25th(Worst)	1.1727e+03	1.1728e+03	1.3831e+03	1.0811e+03	1.3843e+03
	Mean	1.1193e+03	1.1185e+03	1.3092e+03	1.0078e+03	1.3003e+03
	Stdev	2.7961e+01	2.8764e+01	5.4397e+01	5.0018e+01	5.9947e+01
1e4	1st(Best)	8.0934e+02	8.1493e+02	5.0876e+02	3.1817e+02	4.2517e+02
	7th	9.5915e+02	9.4709e+02	5.5000e+02	7.7459e+02	6.3897e+02
	13th(Median)	9.8998e+02	9.9290e+02	1.0378e+03	7.8717e+02	1.1430e+03
	19th	1.0281e+03	1.0218e+03	1.1795e+03	8.2458e+02	1.2338e+03
	25th(Worst)	1.0650e+03	1.0650e+03	1.2204e+03	8.7980e+02	1.2764e+03
	Mean	9.8082e+02	9.7732e+02	9.4659e+02	7.8473e+02	9.9630e+02
	Stdev	6.5016e+01	6.4036e+01	2.7419e+02	1.0079e+02	2.9166e+02
1e5	1st(Best)	8.0053e+02	8.0058e+02	5.0008e+02	3.0327e+02	4.2517e+02
	7th	9.5306e+02	9.4505e+02	5.0136e+02	7.7116e+02	5.5969e+02
	13th(Median)	9.7426e+02	9.9269e+02	1.0047e+03	7.8586e+02	1.1430e+03
	19th	1.0101e+03	1.0136e+03	1.1542e+03	8.0800e+02	1.2296e+03
	25th(Worst)	1.0645e+03	1.0645e+03	1.1976e+03	8.7979e+02	1.2764e+03
	Mean	9.7066e+02	9.7118e+02	9.1509e+02	7.7908e+02	9.7815e+02
	Stdev	6.7929e+01	6.8554e+01	2.7663e+02	1.0279e+02	3.0529e+02

Table B.33   Predicted - Set Values. $l = 30$. f1-6

FE		1	2	3	5	6
1e3	1st(Best)	2.9367e+03	3.4749e+04	3.8992e+07	1.1029e+04	7.8339e+07
	7th	3.8730e+03	4.7497e+04	1.2521e+08	1.5713e+04	2.0426e+08
	13th(Median)	4.6076e+03	5.4155e+04	1.6442e+08	1.9608e+04	2.9286e+08
	19th	5.1441e+03	7.1971e+04	2.2799e+08	2.1619e+04	4.8352e+08
	25th(Worst)	8.1223e+03	7.5824e+04	6.1535e+08	2.6374e+04	1.4691e+09
	Mean	4.7914e+03	5.7399e+04	1.9299e+08	1.9233e+04	3.9343e+08
	Stdev	1.3373e+03	1.3436e+04	1.1827e+08	4.0001e+03	3.1119e+08
1e4	1st(Best)	2.0789e+00	1.2358e+04	2.6347e+07	9.0314e+03	1.3221e+03
	7th	5.9269e+00	1.6441e+04	3.8829e+07	1.1553e+04	3.1896e+03
	13th(Median)	8.4173e+00	2.4977e+04	5.1392e+07	1.3213e+04	4.5899e+03
	19th	1.0180e+01	2.9317e+04	6.8598e+07	1.4496e+04	7.6442e+03
	25th(Worst)	1.8671e+01	4.9528e+04	1.5504e+08	1.7236e+04	1.4573e+04
	Mean	8.4676e+00	2.4378e+04	5.5098e+07	1.3088e+04	5.8809e+03
	Stdev	3.6352e+00	8.7024e+03	2.5377e+07	1.9285e+03	3.5991e+03
1e5	1st(Best)	5.1593e-03	6.8070e+02	5.3878e+06	2.3480e+03	3.3730e+01
	7th	1.2021e-02	9.0600e+02	6.7188e+06	2.7792e+03	9.6902e+01
	13th(Median)	1.5803e-02	1.0548e+03	7.5773e+06	2.9450e+03	1.4863e+02
	19th	2.0986e-02	1.1805e+03	9.7978e+06	3.2954e+03	2.3550e+02
	25th(Worst)	4.0906e-02	1.6075e+03	1.7743e+07	3.7892e+03	1.1953e+03
	Mean	1.7249e-02	1.0749e+03	8.5858e+06	3.0206e+03	2.1394e+02
	Stdev	7.6709e-03	2.4628e+02	2.8947e+06	3.2545e+02	2.3270e+02
3e5	1st(Best)	5.0899e-04	6.5665e+02	5.5081e+06	2.4784e+03	2.5448e+01
	7th	1.0895e-03	1.0006e+03	6.2336e+06	2.5935e+03	8.1298e+01
	13th(Median)	1.3867e-03	1.1110e+03	7.3096e+06	2.7396e+03	9.7434e+01
	19th	1.8736e-03	1.2471e+03	7.9303e+06	2.8435e+03	1.5814e+02
	25th(Worst)	3.6476e-03	1.8253e+03	1.0148e+07	3.0500e+03	1.0681e+03
	Mean	1.5378e-03	1.1563e+03	7.3916e+06	2.7393e+03	1.6522e+02
	Stdev	6.8957e-04	2.4920e+02	1.2628e+06	1.4434e+02	2.1462e+02

Table B.34 Predicted - Set Values. $l = 30$. f8-12

FE		8	9	10	11	12
1e3	1st(Best)	2.1087e+01	7.7233e+01	2.5622e+02	3.2153e+01	1.3188e+05
	7th	2.1172e+01	1.0682e+02	3.0863e+02	3.6052e+01	2.0565e+05
	13th(Median)	2.1221e+01	1.2204e+02	3.2733e+02	3.8010e+01	2.6506e+05
	19th	2.1261e+01	1.3527e+02	3.4947e+02	3.9964e+01	3.2269e+05
	25th(Worst)	2.1305e+01	1.6449e+02	4.2972e+02	4.2668e+01	3.9322e+05
	Mean	2.1214e+01	1.2120e+02	3.3679e+02	3.7747e+01	2.6343e+05
	Stdev	5.3596e-02	2.2210e+01	4.4522e+01	2.7410e+00	6.8107e+04
1e4	1st(Best)	2.0983e+01	1.0428e+01	7.1186e+01	1.9541e+01	4.4716e+04
	7th	2.1068e+01	1.5219e+01	9.3860e+01	2.9588e+01	7.0670e+04
	13th(Median)	2.1097e+01	1.7321e+01	1.0998e+02	3.3358e+01	9.0538e+04
	19th	2.1156e+01	1.9697e+01	1.2760e+02	3.5511e+01	1.0482e+05
	25th(Worst)	2.1197e+01	2.6887e+01	1.6252e+02	4.0069e+01	1.5956e+05
	Mean	2.1106e+01	1.7424e+01	1.1202e+02	3.2438e+01	9.3610e+04
	Stdev	5.9310e-02	3.2687e+00	2.3731e+01	4.3520e+00	2.8447e+04
1e5	1st(Best)	2.0880e+01	5.2536e-03	1.3768e+02	2.0062e+01	5.6750e+03
	7th	2.0958e+01	4.3875e-02	1.4871e+02	2.2216e+01	1.0337e+04
	13th(Median)	2.0983e+01	1.0210e-01	1.5423e+02	2.3087e+01	1.6012e+04
	19th	2.1037e+01	2.0572e-01	1.6323e+02	2.6651e+01	2.3396e+04
	25th(Worst)	2.1075e+01	2.0613e+00	1.7071e+02	2.8443e+01	4.8589e+04
	Mean	2.0990e+01	4.0010e-01	1.5503e+02	2.4141e+01	1.9462e+04
	Stdev	5.6284e-02	6.0019e-01	9.4091e+00	2.4620e+00	1.2259e+04
3e5	1st(Best)	2.0838e+01	4.6418e-04	1.2269e+02	8.8286e+00	4.5028e+03
	7th	2.0923e+01	1.5898e-03	1.3904e+02	1.1439e+01	7.2690e+03
	13th(Median)	2.0952e+01	2.2834e-03	1.4592e+02	1.2757e+01	9.8396e+03
	19th	2.0982e+01	2.8925e-03	1.5399e+02	1.4285e+01	1.4280e+04
	25th(Worst)	2.1022e+01	3.6389e-03	1.6464e+02	1.7010e+01	2.4723e+04
	Mean	2.0945e+01	2.2356e-03	1.4533e+02	1.2798e+01	1.1685e+04
	Stdev	4.8664e-02	8.0358e-04	1.0930e+01	2.1240e+00	5.1366e+03

Table B.35 Predicted - Set Values. $l = 30$. f13-18

FE		13	14	15	16	18
1e3	1st(Best)	1.0565e+02	1.3573e+01	5.1477e+02	3.0834e+02	9.8445e+02
	7th	4.1914e+02	1.3813e+01	5.4268e+02	3.9509e+02	1.0108e+03
	13th(Median)	8.5362e+02	1.3959e+01	6.1498e+02	4.7293e+02	1.0363e+03
	19th	1.3404e+03	1.4044e+01	6.2954e+02	5.8154e+02	1.0555e+03
	25th(Worst)	4.1096e+03	1.4221e+01	9.3458e+02	8.2663e+02	1.0910e+03
	Mean	1.0584e+03	1.3934e+01	6.0535e+02	4.8214e+02	1.0341e+03
	Stdev	9.4154e+02	1.6673e-01	8.3153e+01	1.1383e+02	2.9570e+01
1e4	1st(Best)	5.7155e+00	1.2885e+01	8.2927e+01	1.1503e+02	9.5128e+02
	7th	8.6237e+00	1.3311e+01	3.2832e+02	1.5829e+02	9.7962e+02
	13th(Median)	1.2472e+01	1.3593e+01	3.3926e+02	2.2055e+02	1.0148e+03
	19th	1.6869e+01	1.3678e+01	4.7351e+02	2.8537e+02	1.0422e+03
	25th(Worst)	4.3348e+01	1.3839e+01	5.7651e+02	5.4482e+02	1.0848e+03
	Mean	1.6076e+01	1.3508e+01	3.3814e+02	2.5382e+02	1.0154e+03
	Stdev	1.0706e+01	2.4290e-01	1.3029e+02	1.2464e+02	4.0650e+01
1e5	1st(Best)	3.4572e+00	1.1536e+01	3.0006e+02	2.5327e+01	9.1145e+02
	7th	3.7801e+00	1.2591e+01	3.0007e+02	1.5011e+02	9.1408e+02
	13th(Median)	4.0274e+00	1.2887e+01	3.0008e+02	1.6841e+02	9.1702e+02
	19th	4.2427e+00	1.3278e+01	3.0009e+02	1.8173e+02	9.2109e+02
	25th(Worst)	5.0292e+00	1.3639e+01	4.0000e+02	4.0006e+02	9.3000e+02
	Mean	4.0891e+00	1.2855e+01	3.0407e+02	1.6719e+02	9.1823e+02
	Stdev	4.1197e-01	5.4154e-01	1.9581e+01	8.2757e+01	4.9567e+00
3e5	1st(Best)	3.8401e+00	1.1353e+01	3.0005e+02	8.0622e+01	9.1241e+02
	7th	4.2054e+00	1.2104e+01	3.0007e+02	1.4639e+02	9.1360e+02
	13th(Median)	4.8415e+00	1.2631e+01	3.0007e+02	1.5762e+02	9.1642e+02
	19th	5.4990e+00	1.3091e+01	3.0007e+02	1.6716e+02	9.1733e+02
	25th(Worst)	6.6892e+00	1.3578e+01	3.0008e+02	1.7453e+02	9.1944e+02
	Mean	4.8926e+00	1.2621e+01	3.0007e+02	1.5165e+02	9.1567e+02
	Stdev	7.0637e-01	5.7445e-01	5.8168e-03	2.2434e+01	2.0113e+00

Table B.36   Predicted - Set Values. $l = 30$. f19-23

FE		19	20	21	22	23
1e3	1st(Best)	9.8081e+02	9.8081e+02	9.5151e+02	1.0536e+03	8.5650e+02
	7th	1.0104e+03	1.0104e+03	1.1075e+03	1.1439e+03	1.0720e+03
	13th(Median)	1.0216e+03	1.0216e+03	1.2013e+03	1.1769e+03	1.1621e+03
	19th	1.0697e+03	1.0697e+03	1.2239e+03	1.2460e+03	1.2015e+03
	25th(Worst)	1.1820e+03	1.1821e+03	1.2527e+03	1.4378e+03	1.2327e+03
	Mean	1.0409e+03	1.0409e+03	1.1588e+03	1.2062e+03	1.1226e+03
	Stdev	4.7386e+01	4.7390e+01	8.9979e+01	9.8767e+01	1.0744e+02
1e4	1st(Best)	9.6508e+02	9.6508e+02	5.1209e+02	9.5451e+02	5.3584e+02
	7th	9.9179e+02	9.9035e+02	5.4804e+02	1.0106e+03	5.5863e+02
	13th(Median)	1.0121e+03	1.0021e+03	6.6863e+02	1.0351e+03	5.9716e+02
	19th	1.0382e+03	1.0359e+03	1.1929e+03	1.0617e+03	1.1790e+03
	25th(Worst)	1.0652e+03	1.0652e+03	1.2233e+03	1.0973e+03	1.2208e+03
	Mean	1.0152e+03	1.0103e+03	8.6134e+02	1.0333e+03	8.1092e+02
	Stdev	3.0150e+01	3.1486e+01	3.2289e+02	3.2239e+01	2.9718e+02
1e5	1st(Best)	8.0000e+02	9.0926e+02	5.0000e+02	9.0651e+02	5.3416e+02
	7th	9.1389e+02	9.1480e+02	5.0000e+02	9.1777e+02	5.3416e+02
	13th(Median)	9.1700e+02	9.1714e+02	5.0000e+02	9.2364e+02	5.3416e+02
	19th	9.1833e+02	9.1831e+02	5.0000e+02	9.2744e+02	5.3416e+02
	25th(Worst)	9.2222e+02	9.2249e+02	5.0000e+02	9.4088e+02	5.3417e+02
	Mean	9.1177e+02	9.1691e+02	5.0000e+02	9.2253e+02	5.3416e+02
	Stdev	2.2982e+01	3.1304e+00	4.4900e-05	8.2463e+00	1.5718e-04
3e5	1st(Best)	9.1200e+02	9.1023e+02	5.0000e+02	9.0515e+02	5.3416e+02
	7th	9.1388e+02	9.1465e+02	5.0000e+02	9.0901e+02	5.3416e+02
	13th(Median)	9.1615e+02	9.1596e+02	5.0000e+02	9.1261e+02	5.3416e+02
	19th	9.1659e+02	9.1702e+02	5.0000e+02	9.1684e+02	5.3416e+02
	25th(Worst)	9.1781e+02	9.1829e+02	5.0000e+02	9.2112e+02	5.3416e+02
	Mean	9.1546e+02	9.1560e+02	5.0000e+02	9.1285e+02	5.3416e+02
	Stdev	1.6693e+00	1.7001e+00	0.0000e+00	4.8577e+00	2.0341e-04

Table B.37 Predicted - Self Adaptive. $l = 30$. f1-6

FE		1	2	3	5	6
1e3	1st(Best)	4.6536e+03	3.5024e+04	7.0418e+07	1.1540e+04	1.6739e+08
	7th	7.5805e+03	5.6439e+04	2.6702e+08	2.1392e+04	5.7075e+08
	13th(Median)	9.9644e+03	7.0050e+04	3.6608e+08	2.5052e+04	1.1444e+09
	19th	1.8049e+04	8.5689e+04	4.7735e+08	2.9495e+04	3.9458e+09
	25th(Worst)	5.4757e+04	1.0291e+05	8.7200e+08	4.1329e+04	7.4530e+10
	Mean	1.6207e+04	7.1228e+04	3.9093e+08	2.5348e+04	9.4536e+09
	Stdev	1.4236e+04	1.6829e+04	1.9932e+08	6.5076e+03	1.8881e+10
1e4	1st(Best)	1.9282e+01	1.4644e+04	3.2855e+07	9.2061e+03	1.7601e+04
	7th	9.5601e+01	3.0349e+04	8.0716e+07	1.1727e+04	5.2389e+05
	13th(Median)	2.4715e+02	3.6890e+04	1.1897e+08	1.4179e+04	2.8910e+06
	19th	4.3419e+02	4.6459e+04	1.7202e+08	1.5994e+04	1.1811e+07
	25th(Worst)	1.6637e+04	7.6203e+04	3.4770e+08	2.5607e+04	6.2569e+10
	Mean	1.1923e+03	3.9753e+04	1.3062e+08	1.4984e+04	2.8222e+09
	Stdev	3.3279e+03	1.3371e+04	6.9852e+07	4.2600e+03	1.2289e+10
1e5	1st(Best)	2.2631e-01	1.5897e+03	4.8237e+06	3.4874e+03	2.3827e+02
	7th	1.4251e+00	2.6589e+03	1.4572e+07	4.3443e+03	2.6708e+03
	13th(Median)	3.0208e+00	3.8271e+03	2.0962e+07	5.0771e+03	5.7522e+03
	19th	7.0034e+00	4.7557e+03	3.0405e+07	5.4671e+03	1.9761e+04
	25th(Worst)	3.7623e+03	9.7745e+03	5.8389e+07	6.9176e+03	2.9698e+10
	Mean	1.5494e+02	4.2124e+03	2.4308e+07	5.0447e+03	1.1905e+09
	Stdev	7.3637e+02	1.9431e+03	1.3957e+07	8.5357e+02	5.8191e+09
3e5	1st(Best)	1.9109e-03	2.3810e+02	7.6040e+06	2.5149e+03	1.6155e+02
	7th	2.2153e-01	5.1943e+02	1.1438e+07	2.9553e+03	4.5550e+02
	13th(Median)	5.8699e-01	7.8656e+02	1.4246e+07	3.3756e+03	9.6275e+02
	19th	7.5916e-01	1.0733e+03	1.9519e+07	3.6666e+03	8.4838e+03
	25th(Worst)	4.9317e+00	1.8666e+03	4.2116e+07	4.4342e+03	8.2519e+08
	Mean	8.0684e-01	8.2965e+02	1.6553e+07	3.3435e+03	3.3016e+07
	Stdev	1.0709e+00	3.9508e+02	7.2774e+06	5.1321e+02	1.6170e+08

Table B.38   Predicted - Self Adaptive. $l = 30$. f8-12

FE		8	9	10	11	12
1e3	1st(Best)	2.1044e+01	9.1429e+01	2.8336e+02	3.5188e+01	2.0954e+05
	7th	2.1197e+01	1.1585e+02	3.5814e+02	3.8243e+01	3.6377e+05
	13th(Median)	2.1230e+01	1.4371e+02	4.9484e+02	3.9384e+01	4.9221e+05
	19th	2.1297e+01	1.6396e+02	5.8852e+02	4.1636e+01	7.1977e+05
	25th(Worst)	2.1416e+01	3.8460e+02	1.0106e+03	4.7296e+01	1.3207e+06
	Mean	2.1240e+01	1.5747e+02	5.1598e+02	4.0198e+01	5.8766e+05
	Stdev	8.2777e-02	6.3664e+01	1.9023e+02	3.2111e+00	2.7819e+05
1e4	1st(Best)	2.0940e+01	1.0710e+01	1.6050e+02	3.1137e+01	4.5478e+04
	7th	2.1057e+01	1.5111e+01	1.7629e+02	3.5240e+01	9.5874e+04
	13th(Median)	2.1106e+01	2.0212e+01	1.9490e+02	3.7548e+01	1.1874e+05
	19th	2.1149e+01	3.1963e+01	2.4446e+02	3.9371e+01	1.7495e+05
	25th(Worst)	2.1274e+01	6.6200e+01	3.6180e+02	4.3012e+01	3.4627e+05
	Mean	2.1106e+01	2.6238e+01	2.1438e+02	3.7429e+01	1.4779e+05
	Stdev	9.3015e-02	1.5941e+01	4.9918e+01	2.9650e+00	6.9468e+04
1e5	1st(Best)	2.0706e+01	7.3290e-02	3.6308e+01	2.3879e+01	2.1730e+04
	7th	2.0938e+01	1.1604e+00	4.6355e+01	3.2152e+01	3.9047e+04
	13th(Median)	2.1025e+01	2.5539e+00	6.2129e+01	3.4164e+01	5.6937e+04
	19th	2.1070e+01	3.5988e+00	7.1175e+01	3.7085e+01	6.5897e+04
	25th(Worst)	2.1238e+01	2.1470e+01	8.7284e+01	4.0060e+01	1.0190e+05
	Mean	2.1008e+01	4.4513e+00	6.0670e+01	3.4259e+01	5.4458e+04
	Stdev	1.1018e-01	5.5710e+00	1.4131e+01	4.0346e+00	2.1542e+04
3e5	1st(Best)	2.0706e+01	3.1370e-02	1.5954e+01	2.4225e+01	1.3125e+04
	7th	2.0909e+01	1.5771e-01	2.8289e+01	3.0083e+01	1.9892e+04
	13th(Median)	2.0941e+01	4.0010e-01	3.5129e+01	3.0945e+01	2.5720e+04
	19th	2.1002e+01	1.1646e+00	4.0328e+01	3.2615e+01	2.8858e+04
	25th(Worst)	2.1186e+01	1.4529e+01	5.8067e+01	3.6877e+01	4.3670e+04
	Mean	2.0947e+01	1.8422e+00	3.5074e+01	3.1006e+01	2.5735e+04
	Stdev	1.0941e-01	3.3549e+00	9.7069e+00	3.0160e+00	7.9570e+03

Table B.39   Predicted - Self Adaptive. $l = 30$. f13-18

FE		13	14	15	16	18
1e3	1^{st}(Best)	2.4899e+02	1.3601e+01	2.9446e+02	3.2409e+02	9.9863e+02
	7th	9.4065e+02	1.4104e+01	5.7640e+02	4.6205e+02	1.0764e+03
	13^{th}(Median)	5.4878e+03	1.4193e+01	6.9515e+02	5.4846e+02	1.0933e+03
	19th	8.3675e+03	1.4312e+01	8.0477e+02	6.0661e+02	1.2053e+03
	25^{th}(Worst)	5.4466e+05	1.4762e+01	1.0023e+03	1.3731e+03	1.4504e+03
	Mean	4.7977e+04	1.4193e+01	6.8883e+02	5.9564e+02	1.1373e+03
	Stdev	1.3231e+05	2.5344e-01	1.7737e+02	2.5450e+02	1.0837e+02
1e4	1^{st}(Best)	5.9717e+00	1.3371e+01	1.0000e+02	2.0053e+02	9.4314e+02
	7th	1.1527e+01	1.3790e+01	3.0715e+02	2.8127e+02	9.7590e+02
	13^{th}(Median)	1.9350e+01	1.3998e+01	3.9756e+02	3.2781e+02	9.9092e+02
	19th	3.7661e+01	1.4142e+01	4.9523e+02	4.3226e+02	1.0260e+03
	25^{th}(Worst)	2.0804e+02	1.4410e+01	6.9209e+02	6.2948e+02	1.2239e+03
	Mean	4.5175e+01	1.3961e+01	3.9709e+02	3.5826e+02	1.0092e+03
	Stdev	5.6341e+01	2.4167e-01	1.4379e+02	1.1656e+02	5.8813e+01
1e5	1^{st}(Best)	2.0828e+00	1.3189e+01	2.1940e+02	5.9008e+01	9.1689e+02
	7th	3.0352e+00	1.3632e+01	3.1409e+02	8.1721e+01	9.2499e+02
	13^{th}(Median)	3.8988e+00	1.3848e+01	3.1963e+02	9.2685e+01	9.2855e+02
	19th	5.1844e+00	1.3981e+01	4.1887e+02	1.0632e+02	9.3813e+02
	25^{th}(Worst)	7.6265e+00	1.4055e+01	5.2075e+02	4.1411e+02	9.4722e+02
	Mean	4.1230e+00	1.3788e+01	3.5589e+02	1.0713e+02	9.3142e+02
	Stdev	1.4219e+00	2.2633e-01	7.6012e+01	6.5995e+01	8.4521e+00
3e5	1^{st}(Best)	8.3382e-01	1.3180e+01	3.0003e+02	3.6449e+01	9.1128e+02
	7th	1.8440e+00	1.3423e+01	3.0006e+02	4.6257e+01	9.1432e+02
	13^{th}(Median)	2.3065e+00	1.3660e+01	3.0019e+02	5.8466e+01	9.1612e+02
	19th	2.8123e+00	1.3810e+01	4.0020e+02	6.3794e+01	9.1772e+02
	25^{th}(Worst)	3.5123e+00	1.4015e+01	4.1532e+02	8.8378e+01	9.2549e+02
	Mean	2.2497e+00	1.3615e+01	3.3359e+02	5.7994e+01	9.1634e+02
	Stdev	6.1098e-01	2.3355e-01	4.8772e+01	1.3481e+01	3.3654e+00

Table B.40 Predicted - Self Adaptive. $l = 30$. f19-23

FE		19	20	21	22	23
1e3	1st(Best)	9.7943e+02	9.7943e+02	7.9499e+02	1.1029e+03	1.0965e+03
	7th	1.0393e+03	1.0393e+03	1.2220e+03	1.2448e+03	1.2051e+03
	13th(Median)	1.0763e+03	1.0763e+03	1.2357e+03	1.3572e+03	1.2461e+03
	19th	1.1443e+03	1.1443e+03	1.2778e+03	1.4357e+03	1.2742e+03
	25th(Worst)	1.3423e+03	1.3424e+03	1.4224e+03	1.8497e+03	1.3524e+03
	Mean	1.0969e+03	1.0969e+03	1.2386e+03	1.3574e+03	1.2375e+03
	Stdev	8.3179e+01	8.3184e+01	1.0894e+02	1.6069e+02	5.1969e+01
1e4	1st(Best)	9.3798e+02	9.3798e+02	5.5548e+02	9.6885e+02	5.6197e+02
	7th	9.5885e+02	9.5885e+02	6.7413e+02	1.0107e+03	5.8739e+02
	13th(Median)	9.7555e+02	9.7555e+02	1.1715e+03	1.0448e+03	9.9380e+02
	19th	1.0031e+03	1.0117e+03	1.2092e+03	1.0900e+03	1.1931e+03
	25th(Worst)	1.0972e+03	1.0972e+03	1.2690e+03	1.2327e+03	1.2434e+03
	Mean	9.8684e+02	9.8829e+02	9.7141e+02	1.0621e+03	9.1901e+02
	Stdev	3.7893e+01	3.8258e+01	2.7572e+02	6.7319e+01	2.8794e+02
1e5	1st(Best)	9.1572e+02	9.1638e+02	5.0003e+02	9.0310e+02	5.3416e+02
	7th	9.2554e+02	9.2536e+02	5.0057e+02	9.1514e+02	5.3417e+02
	13th(Median)	9.2936e+02	9.3177e+02	5.0259e+02	9.2589e+02	5.3420e+02
	19th	9.3430e+02	9.3570e+02	5.0552e+02	9.3777e+02	5.3768e+02
	25th(Worst)	9.4308e+02	9.4906e+02	5.6414e+02	9.5885e+02	5.8300e+02
	Mean	9.2953e+02	9.3085e+02	5.0717e+02	9.2824e+02	5.3895e+02
	Stdev	6.8374e+00	8.3052e+00	1.4452e+01	1.5015e+01	1.0620e+01
3e5	1st(Best)	9.1021e+02	9.1198e+02	5.0000e+02	8.9743e+02	5.3416e+02
	7th	9.1458e+02	9.1458e+02	5.0000e+02	9.0907e+02	5.3416e+02
	13th(Median)	9.1717e+02	9.1594e+02	5.0001e+02	9.1521e+02	5.3416e+02
	19th	9.2095e+02	9.1797e+02	5.0010e+02	9.2112e+02	5.3416e+02
	25th(Worst)	9.2676e+02	9.2456e+02	5.0041e+02	9.4068e+02	5.3417e+02
	Mean	9.1755e+02	9.1645e+02	5.0007e+02	9.1512e+02	5.3417e+02
	Stdev	4.0196e+00	3.0324e+00	1.1873e-01	9.4425e+00	2.1278e-03

Table B.41 Drift - Set Values. $l = 30$. f1-6

FE		1	2	3	5	6
1e3	1st(Best)	2.9367e+03	3.4749e+04	3.8992e+07	1.1029e+04	7.8339e+07
	7th	3.8730e+03	4.7497e+04	1.2521e+08	1.5713e+04	2.0426e+08
	13th(Median)	4.6076e+03	5.4155e+04	1.6442e+08	1.9608e+04	2.9286e+08
	19th	5.1441e+03	7.1971e+04	2.2799e+08	2.1619e+04	4.8352e+08
	25th(Worst)	8.1223e+03	7.5824e+04	6.1535e+08	2.6374e+04	1.4691e+09
	Mean	4.7914e+03	5.7399e+04	1.9299e+08	1.9233e+04	3.9343e+08
	Stdev	1.3373e+03	1.3436e+04	1.1827e+08	4.0001e+03	3.1119e+08
1e4	1st(Best)	3.6034e+01	1.2358e+04	4.3616e+07	9.0314e+03	1.5883e+05
	7th	9.4898e+01	1.6441e+04	5.9226e+07	1.1553e+04	8.5295e+05
	13th(Median)	1.2225e+02	2.4977e+04	7.2232e+07	1.3213e+04	1.7659e+06
	19th	1.9958e+02	2.9317e+04	8.8602e+07	1.4496e+04	2.6659e+06
	25th(Worst)	2.8817e+02	4.9528e+04	1.5132e+08	1.7236e+04	1.0320e+07
	Mean	1.4565e+02	2.4378e+04	7.9561e+07	1.3088e+04	2.3629e+06
	Stdev	7.4341e+01	8.7024e+03	2.8285e+07	1.9285e+03	2.1955e+06
1e5	1st(Best)	1.4858e-03	1.1551e+03	5.0837e+06	3.4953e+03	2.9722e+02
	7th	3.0863e-02	2.0377e+03	8.1399e+06	4.4194e+03	1.3043e+03
	13th(Median)	7.7974e-02	3.7059e+03	1.4119e+07	4.7567e+03	2.1189e+03
	19th	2.6988e-01	5.6887e+03	1.6994e+07	5.2339e+03	3.2414e+03
	25th(Worst)	2.5991e+00	7.9567e+03	2.4580e+07	7.1311e+03	1.0950e+04
	Mean	2.6871e-01	3.8118e+03	1.3514e+07	4.9585e+03	2.8800e+03
	Stdev	5.1657e-01	1.8974e+03	5.2473e+06	8.1455e+02	2.6100e+03
3e5	1st(Best)	7.5594e-09	3.5153e+01	2.1766e+06	2.7530e+03	2.5438e+01
	7th	9.3888e-09	7.0173e+01	3.9929e+06	3.4173e+03	8.6495e+01
	13th(Median)	9.7181e-09	1.5708e+02	4.8436e+06	3.6846e+03	1.2952e+02
	19th	9.8246e-09	2.3823e+02	6.4956e+06	3.9763e+03	3.3941e+02
	25th(Worst)	9.5554e-08	5.4428e+02	8.6800e+06	5.0120e+03	6.6143e+03
	Mean	1.2802e-08	1.8944e+02	5.1692e+06	3.7558e+03	5.3110e+02
	Stdev	1.6905e-08	1.3844e+02	1.7248e+06	6.0148e+02	1.3216e+03

Table B.42   Drift - Set Values. $l = 30$. f8-12

FE		8	9	10	11	12
1e3	1st(Best)	2.1087e+01	7.7233e+01	2.5622e+02	3.2153e+01	1.3188e+05
	7th	2.1172e+01	1.0682e+02	3.0863e+02	3.6052e+01	2.0565e+05
	13th(Median)	2.1221e+01	1.2204e+02	3.2733e+02	3.8010e+01	2.6506e+05
	19th	2.1261e+01	1.3527e+02	3.4947e+02	3.9964e+01	3.2269e+05
	25th(Worst)	2.1305e+01	1.6449e+02	4.2972e+02	4.2668e+01	3.9322e+05
	Mean	2.1214e+01	1.2120e+02	3.3679e+02	3.7747e+01	2.6343e+05
	Stdev	5.3596e-02	2.2210e+01	4.4522e+01	2.7410e+00	6.8107e+04
1e4	1st(Best)	2.1012e+01	1.6128e+01	8.5883e+01	2.0823e+01	2.9901e+04
	7th	2.1081e+01	2.6141e+01	1.1168e+02	2.6222e+01	1.0095e+05
	13th(Median)	2.1112e+01	2.9064e+01	1.2689e+02	2.7160e+01	1.1375e+05
	19th	2.1127e+01	3.3327e+01	1.4127e+02	2.8987e+01	1.3110e+05
	25th(Worst)	2.1193e+01	4.6795e+01	1.7684e+02	3.2920e+01	1.7658e+05
	Mean	2.1106e+01	3.0061e+01	1.2550e+02	2.7412e+01	1.1123e+05
	Stdev	3.8566e-02	6.3360e+00	2.2574e+01	2.7481e+00	3.1941e+04
1e5	1st(Best)	2.0918e+01	8.9565e+00	1.1976e+01	8.5607e+00	2.9230e+03
	7th	2.0971e+01	1.2935e+01	2.0202e+01	1.4240e+01	1.5576e+04
	13th(Median)	2.0991e+01	1.4929e+01	2.3102e+01	1.5302e+01	2.2025e+04
	19th	2.1041e+01	1.5930e+01	2.6219e+01	1.6329e+01	3.3165e+04
	25th(Worst)	2.1052e+01	1.7909e+01	3.4086e+01	1.9190e+01	6.7501e+04
	Mean	2.0998e+01	1.4581e+01	2.2766e+01	1.5235e+01	2.7184e+04
	Stdev	4.0339e-02	2.0350e+00	5.8845e+00	2.1699e+00	1.6552e+04
3e5	1st(Best)	2.0866e+01	5.9698e+00	3.9798e+00	6.8016e+00	2.2961e+03
	7th	2.0945e+01	9.9496e+00	8.9546e+00	1.0248e+01	6.4727e+03
	13th(Median)	2.0972e+01	1.0945e+01	1.0945e+01	1.2056e+01	9.6794e+03
	19th	2.0989e+01	1.1940e+01	1.3929e+01	1.3064e+01	1.5693e+04
	25th(Worst)	2.1040e+01	1.7909e+01	1.4125e+02	1.4033e+01	3.6675e+04
	Mean	2.0962e+01	1.1068e+01	1.6475e+01	1.1634e+01	1.2450e+04
	Stdev	4.6369e-02	2.2755e+00	2.5771e+01	1.8956e+00	8.9294e+03

Table B.43 Drift - Set Values. $l = 30$. f13-18

FE		13	14	15	16	18
1e3	1st(Best)	1.0565e+02	1.3573e+01	5.1477e+02	3.0834e+02	9.8445e+02
	7th	4.1914e+02	1.3813e+01	5.4268e+02	3.9509e+02	1.0108e+03
	13th(Median)	8.5362e+02	1.3959e+01	6.1498e+02	4.7293e+02	1.0363e+03
	19th	1.3404e+03	1.4044e+01	6.2954e+02	5.8154e+02	1.0555e+03
	25th(Worst)	4.1096e+03	1.4221e+01	9.3458e+02	8.2663e+02	1.0910e+03
	Mean	1.0584e+03	1.3934e+01	6.0535e+02	4.8214e+02	1.0341e+03
	Stdev	9.4154e+02	1.6673e-01	8.3153e+01	1.1383e+02	2.9570e+01
1e4	1st(Best)	5.7155e+00	1.3345e+01	8.2927e+01	1.1503e+02	9.5128e+02
	7th	8.6237e+00	1.3570e+01	3.2832e+02	1.5829e+02	9.7962e+02
	13th(Median)	1.2472e+01	1.3746e+01	3.3926e+02	2.2055e+02	1.0148e+03
	19th	1.6869e+01	1.3818e+01	4.7351e+02	2.8537e+02	1.0422e+03
	25th(Worst)	4.3348e+01	1.4039e+01	5.7651e+02	5.4482e+02	1.0848e+03
	Mean	1.6076e+01	1.3699e+01	3.3814e+02	2.5382e+02	1.0154e+03
	Stdev	1.0706e+01	1.9402e-01	1.3029e+02	1.2464e+02	4.0650e+01
1e5	1st(Best)	1.2146e+00	1.2963e+01	2.0030e+02	3.1395e+01	8.0016e+02
	7th	2.6309e+00	1.3358e+01	3.0014e+02	4.5555e+01	9.2870e+02
	13th(Median)	3.0290e+00	1.3440e+01	3.0055e+02	5.9829e+01	9.3833e+02
	19th	3.6126e+00	1.3538e+01	3.0115e+02	1.3430e+02	9.4258e+02
	25th(Worst)	6.1904e+00	1.3667e+01	4.0388e+02	4.0492e+02	9.7642e+02
	Mean	3.1820e+00	1.3430e+01	3.0494e+02	1.3757e+02	9.2711e+02
	Stdev	9.8142e-01	1.7585e-01	5.2785e+01	1.3677e+02	3.9345e+01
3e5	1st(Best)	2.4459e+00	1.2879e+01	3.0000e+02	1.8338e+01	8.0000e+02
	7th	2.7384e+00	1.3167e+01	3.0000e+02	2.5990e+01	9.1918e+02
	13th(Median)	3.2197e+00	1.3273e+01	3.0000e+02	2.9195e+01	9.2263e+02
	19th	3.4361e+00	1.3420e+01	3.0000e+02	3.9130e+01	9.2574e+02
	25th(Worst)	4.0746e+00	1.3678e+01	4.0202e+02	5.0000e+02	9.3452e+02
	Mean	3.1366e+00	1.3278e+01	3.1608e+02	8.5315e+01	9.0899e+02
	Stdev	4.3264e-01	1.9003e-01	3.6847e+01	1.4314e+02	4.0491e+01

Table B.44   Drift - Set Values. $l = 30$. f19-23

FE		19	20	21	22	23
1e3	1st(Best)	9.8081e+02	9.8081e+02	9.5151e+02	1.0536e+03	8.5650e+02
	7th	1.0104e+03	1.0104e+03	1.1075e+03	1.1439e+03	1.0720e+03
	13th(Median)	1.0216e+03	1.0216e+03	1.2013e+03	1.1769e+03	1.1621e+03
	19th	1.0697e+03	1.0697e+03	1.2239e+03	1.2460e+03	1.2015e+03
	25th(Worst)	1.1820e+03	1.1821e+03	1.2527e+03	1.4378e+03	1.2327e+03
	Mean	1.0409e+03	1.0409e+03	1.1588e+03	1.2062e+03	1.1226e+03
	Stdev	4.7386e+01	4.7390e+01	8.9979e+01	9.8767e+01	1.0744e+02
1e4	1st(Best)	9.6508e+02	9.6508e+02	5.1209e+02	9.7544e+02	5.3584e+02
	7th	9.9179e+02	9.9035e+02	5.4804e+02	1.0105e+03	5.5863e+02
	13th(Median)	1.0121e+03	1.0021e+03	6.6863e+02	1.0316e+03	5.9716e+02
	19th	1.0382e+03	1.0359e+03	1.1929e+03	1.0615e+03	1.1790e+03
	25th(Worst)	1.0652e+03	1.0652e+03	1.2233e+03	1.1064e+03	1.2208e+03
	Mean	1.0152e+03	1.0103e+03	8.6134e+02	1.0384e+03	8.1092e+02
	Stdev	3.0150e+01	3.1486e+01	3.2289e+02	3.5349e+01	2.9718e+02
1e5	1st(Best)	8.0015e+02	8.0015e+02	5.0000e+02	8.9107e+02	5.3416e+02
	7th	9.2774e+02	9.2774e+02	5.0004e+02	9.0910e+02	5.3418e+02
	13th(Median)	9.3154e+02	9.3154e+02	5.0009e+02	9.1929e+02	5.3418e+02
	19th	9.3724e+02	9.3724e+02	5.0037e+02	9.2699e+02	5.3419e+02
	25th(Worst)	9.7302e+02	9.8068e+02	1.1554e+03	9.3548e+02	5.3421e+02
	Mean	9.1876e+02	9.1992e+02	6.0418e+02	9.1782e+02	5.3418e+02
	Stdev	4.4905e+01	4.6101e+01	2.3845e+02	1.1530e+01	9.7026e-03
3e5	1st(Best)	8.0000e+02	8.0000e+02	5.0000e+02	8.6008e+02	5.3416e+02
	7th	9.1796e+02	9.1796e+02	5.0000e+02	8.8971e+02	5.3416e+02
	13th(Median)	9.1988e+02	9.1988e+02	5.0000e+02	8.9330e+02	5.3417e+02
	19th	9.2696e+02	9.2410e+02	5.0000e+02	8.9865e+02	5.3417e+02
	25th(Worst)	9.3325e+02	9.3129e+02	1.1479e+03	9.1631e+02	9.4689e+02
	Mean	9.1265e+02	9.1226e+02	5.2591e+02	8.9207e+02	5.5068e+02
	Stdev	3.3656e+01	3.3442e+01	1.2696e+02	1.1468e+01	8.0877e+01

Table B.45 Drift - Self Adaptive. $l = 30$. f1-6

FE		1	2	3	5	6
1e3	1st(Best)	4.6536e+03	3.5024e+04	7.0418e+07	1.1540e+04	1.6739e+08
	7th	7.5805e+03	5.6439e+04	2.6702e+08	2.1392e+04	5.7075e+08
	13th(Median)	9.9644e+03	7.0050e+04	3.6608e+08	2.5052e+04	1.1444e+09
	19th	1.8049e+04	8.5689e+04	4.7735e+08	2.9495e+04	3.9458e+09
	25th(Worst)	5.4757e+04	1.0291e+05	8.7200e+08	4.1329e+04	7.4530e+10
	Mean	1.6207e+04	7.1228e+04	3.9093e+08	2.5348e+04	9.4536e+09
	Stdev	1.4236e+04	1.6829e+04	1.9932e+08	6.5076e+03	1.8881e+10
1e4	1st(Best)	6.4305e+01	1.4644e+04	3.8433e+07	9.2061e+03	1.1848e+06
	7th	2.8319e+02	3.0349e+04	8.3632e+07	1.1727e+04	2.8809e+06
	13th(Median)	5.2962e+02	3.6890e+04	1.0245e+08	1.4179e+04	5.2310e+06
	19th	9.4428e+02	4.6459e+04	1.4813e+08	1.5994e+04	1.5949e+07
	25th(Worst)	5.9124e+03	7.6203e+04	3.1585e+08	2.5607e+04	1.6589e+08
	Mean	1.0954e+03	3.9753e+04	1.2318e+08	1.4984e+04	1.9914e+07
	Stdev	1.4819e+03	1.3371e+04	6.6165e+07	4.2600e+03	3.4918e+07
1e5	1st(Best)	8.1046e-01	4.8607e+03	1.8091e+07	5.4125e+03	1.4454e+03
	7th	4.2356e+00	9.3931e+03	3.2851e+07	8.0506e+03	8.2334e+03
	13th(Median)	9.8191e+00	1.4839e+04	4.5403e+07	9.8666e+03	1.9299e+04
	19th	1.5841e+01	1.8560e+04	5.7216e+07	1.1056e+04	8.1090e+04
	25th(Worst)	2.3448e+02	2.0972e+04	9.9789e+07	1.2396e+04	4.7460e+06
	Mean	2.4753e+01	1.4175e+04	4.7159e+07	9.5231e+03	2.8343e+05
	Stdev	4.6837e+01	4.6703e+03	1.8013e+07	1.8832e+03	9.2893e+05
3e5	1st(Best)	1.3891e-01	2.4061e+03	7.2702e+06	4.5595e+03	7.8537e+02
	7th	1.1222e+00	5.6749e+03	1.5923e+07	6.2767e+03	2.1022e+03
	13th(Median)	2.0966e+00	7.3011e+03	2.8167e+07	7.2575e+03	3.3371e+03
	19th	4.7643e+00	9.2613e+03	3.6168e+07	8.9069e+03	1.0346e+04
	25th(Worst)	6.4154e+01	1.6236e+04	5.2184e+07	1.2107e+04	8.5107e+04
	Mean	7.5249e+00	7.8103e+03	2.6937e+07	7.4957e+03	8.8162e+03
	Stdev	1.5157e+01	3.6796e+03	1.2213e+07	1.6719e+03	1.6513e+04

Table B.46   Drift - Self Adaptive. $l = 30$. f8-12

FE		8	9	10	11	12
1e3	1st(Best)	2.1044e+01	9.1429e+01	2.8336e+02	3.5188e+01	2.0954e+05
	7th	2.1197e+01	1.1585e+02	3.5814e+02	3.8243e+01	3.6377e+05
	13th(Median)	2.1230e+01	1.4371e+02	4.9484e+02	3.9384e+01	4.9221e+05
	19th	2.1297e+01	1.6396e+02	5.8852e+02	4.1636e+01	7.1977e+05
	25th(Worst)	2.1416e+01	3.8460e+02	1.0106e+03	4.7296e+01	1.3207e+06
	Mean	2.1240e+01	1.5747e+02	5.1598e+02	4.0198e+01	5.8766e+05
	Stdev	8.2777e-02	6.3664e+01	1.9023e+02	3.2111e+00	2.7819e+05
1e4	1st(Best)	2.0956e+01	1.9092e+01	1.1214e+02	2.8030e+01	9.0119e+04
	7th	2.1078e+01	2.7256e+01	1.8007e+02	3.1889e+01	1.2316e+05
	13th(Median)	2.1111e+01	3.8617e+01	2.3623e+02	3.4635e+01	1.5018e+05
	19th	2.1145e+01	4.6078e+01	2.7305e+02	3.7159e+01	2.0427e+05
	25th(Worst)	2.1266e+01	1.4170e+02	3.7429e+02	4.1245e+01	3.2947e+05
	Mean	2.1105e+01	4.2174e+01	2.3561e+02	3.4561e+01	1.6443e+05
	Stdev	6.9091e-02	2.3762e+01	6.2671e+01	3.3948e+00	5.6589e+04
1e5	1st(Best)	2.0687e+01	6.2134e-02	4.8331e+01	2.3369e+01	2.1948e+04
	7th	2.0933e+01	1.2081e+00	7.9993e+01	2.9509e+01	3.8341e+04
	13th(Median)	2.0974e+01	4.9834e+00	9.3540e+01	3.1390e+01	6.2104e+04
	19th	2.1033e+01	7.0187e+00	1.3447e+02	3.3226e+01	7.2005e+04
	25th(Worst)	2.1110e+01	1.3654e+01	1.6695e+02	3.7971e+01	1.5267e+05
	Mean	2.0973e+01	5.0346e+00	1.0636e+02	3.1202e+01	6.1856e+04
	Stdev	9.4283e-02	3.8885e+00	3.3358e+01	3.5846e+00	2.8161e+04
3e5	1st(Best)	2.0658e+01	2.3527e-02	1.6428e+01	2.0489e+01	1.4289e+04
	7th	2.0882e+01	1.1208e-01	4.3182e+01	2.6650e+01	2.5059e+04
	13th(Median)	2.0961e+01	1.1137e+00	5.8354e+01	2.8248e+01	3.9499e+04
	19th	2.1006e+01	2.3758e+00	8.5524e+01	3.1393e+01	5.7638e+04
	25th(Worst)	2.1072e+01	1.1108e+01	1.3081e+02	3.9368e+01	1.0920e+05
	Mean	2.0928e+01	2.0170e+00	6.1478e+01	2.9006e+01	4.4852e+04
	Stdev	1.0894e-01	2.9146e+00	2.7494e+01	4.0723e+00	2.3840e+04

Table B.47   Drift - Self Adaptive. $l = 30$. f13-18

FE		13	14	15	16	18
1e3	1^{st}(Best)	2.4899e+02	1.3601e+01	2.9446e+02	3.2409e+02	9.9863e+02
	7th	9.4065e+02	1.4104e+01	5.7640e+02	4.6205e+02	1.0764e+03
	13^{th}(Median)	5.4878e+03	1.4193e+01	6.9515e+02	5.4846e+02	1.0933e+03
	19th	8.3675e+03	1.4312e+01	8.0477e+02	6.0661e+02	1.2053e+03
	25^{th}(Worst)	5.4466e+05	1.4762e+01	1.0023e+03	1.3731e+03	1.4504e+03
	Mean	4.7977e+04	1.4193e+01	6.8883e+02	5.9564e+02	1.1373e+03
	Stdev	1.3231e+05	2.5344e-01	1.7737e+02	2.5450e+02	1.0837e+02
1e4	1^{st}(Best)	5.9717e+00	1.3067e+01	1.0000e+02	2.0053e+02	9.4314e+02
	7th	1.1527e+01	1.3534e+01	3.0715e+02	2.8127e+02	9.7590e+02
	13^{th}(Median)	1.9350e+01	1.3652e+01	3.9756e+02	3.2781e+02	9.9092e+02
	19th	3.7661e+01	1.3777e+01	4.9523e+02	4.3226e+02	1.0260e+03
	25^{th}(Worst)	2.0804e+02	1.4040e+01	6.9209e+02	6.2948e+02	1.2239e+03
	Mean	4.5175e+01	1.3638e+01	3.9709e+02	3.5826e+02	1.0092e+03
	Stdev	5.6341e+01	2.3815e-01	1.4379e+02	1.1656e+02	5.8813e+01
1e5	1^{st}(Best)	2.8804e+00	1.2637e+01	4.6417e+01	7.4125e+01	9.3142e+02
	7th	4.5270e+00	1.2897e+01	3.1291e+02	9.8036e+01	9.4124e+02
	13^{th}(Median)	5.2385e+00	1.3188e+01	3.2843e+02	1.3090e+02	9.5319e+02
	19th	8.0762e+00	1.3377e+01	4.0058e+02	1.9275e+02	9.6476e+02
	25^{th}(Worst)	1.3012e+01	1.3931e+01	5.4868e+02	4.4052e+02	9.9488e+02
	Mean	6.3969e+00	1.3167e+01	3.4998e+02	1.6388e+02	9.5601e+02
	Stdev	2.8029e+00	3.3775e-01	1.0583e+02	9.7545e+01	1.7237e+01
3e5	1^{st}(Best)	1.9990e+00	1.1338e+01	2.0167e+02	6.1333e+01	9.2019e+02
	7th	3.2834e+00	1.2539e+01	3.0755e+02	8.8346e+01	9.3629e+02
	13^{th}(Median)	3.9958e+00	1.3006e+01	3.1677e+02	1.1391e+02	9.4204e+02
	19th	5.8784e+00	1.3127e+01	4.0052e+02	1.7925e+02	9.5073e+02
	25^{th}(Worst)	9.3971e+00	1.3629e+01	5.1160e+02	4.0850e+02	9.8825e+02
	Mean	4.7321e+00	1.2815e+01	3.3310e+02	1.4581e+02	9.4459e+02
	Stdev	1.8830e+00	5.3895e-01	6.7777e+01	8.6877e+01	1.3252e+01

Table B.48   Drift - Self Adaptive. $l = 30$. f19-23

FE		19	20	21	22	23
1e3	1st(Best)	9.7943e+02	9.7943e+02	7.9499e+02	1.1029e+03	1.0965e+03
	7th	1.0393e+03	1.0393e+03	1.2220e+03	1.2448e+03	1.2051e+03
	13th(Median)	1.0763e+03	1.0763e+03	1.2357e+03	1.3572e+03	1.2461e+03
	19th	1.1443e+03	1.1443e+03	1.2778e+03	1.4357e+03	1.2742e+03
	25th(Worst)	1.3423e+03	1.3424e+03	1.4224e+03	1.8497e+03	1.3524e+03
	Mean	1.0969e+03	1.0969e+03	1.2386e+03	1.3574e+03	1.2375e+03
	Stdev	8.3179e+01	8.3184e+01	1.0894e+02	1.6069e+02	5.1969e+01
1e4	1st(Best)	9.3798e+02	9.3798e+02	5.5548e+02	9.9292e+02	5.6197e+02
	7th	9.5885e+02	9.5885e+02	6.7413e+02	1.0648e+03	5.8739e+02
	13th(Median)	9.7555e+02	9.7555e+02	1.1715e+03	1.1121e+03	9.9380e+02
	19th	1.0031e+03	1.0117e+03	1.2092e+03	1.1920e+03	1.1931e+03
	25th(Worst)	1.0972e+03	1.0972e+03	1.2690e+03	1.5918e+03	1.2434e+03
	Mean	9.8684e+02	9.8829e+02	9.7141e+02	1.1451e+03	9.1901e+02
	Stdev	3.7893e+01	3.8258e+01	2.7572e+02	1.3024e+02	2.8794e+02
1e5	1st(Best)	9.3126e+02	9.3148e+02	5.0000e+02	9.3609e+02	5.3417e+02
	7th	9.4601e+02	9.4425e+02	5.0086e+02	9.6461e+02	5.3418e+02
	13th(Median)	9.5740e+02	9.5046e+02	5.0360e+02	1.0043e+03	5.3677e+02
	19th	9.6379e+02	9.6114e+02	5.3311e+02	1.0409e+03	6.0875e+02
	25th(Worst)	9.8402e+02	9.8413e+02	1.1892e+03	1.1076e+03	1.2014e+03
	Mean	9.5584e+02	9.5396e+02	6.6663e+02	1.0050e+03	6.8717e+02
	Stdev	1.4782e+01	1.4300e+01	2.8679e+02	4.8606e+01	2.6558e+02
3e5	1st(Best)	9.2409e+02	9.2409e+02	5.0001e+02	8.8712e+02	5.3416e+02
	7th	9.3941e+02	9.3706e+02	5.0018e+02	9.2349e+02	5.3418e+02
	13th(Median)	9.4540e+02	9.4365e+02	5.0032e+02	9.3828e+02	5.3419e+02
	19th	9.5385e+02	9.5482e+02	5.0090e+02	9.6038e+02	5.3421e+02
	25th(Worst)	9.7551e+02	9.7505e+02	1.1583e+03	1.0911e+03	1.1645e+03
	Mean	9.4701e+02	9.4637e+02	5.3170e+02	9.4904e+02	5.5943e+02
	Stdev	1.2369e+01	1.2591e+01	1.2978e+02	4.3564e+01	1.2351e+02

Table B.49 Parameterless - Set Values. $l = 30$. f1-6

FE		1	2	3	5	6
1e3	1st(Best)	4.6172e+03	3.3131e+04	9.7387e+07	1.1134e+04	1.7258e+08
	7th	6.4533e+03	4.3826e+04	1.5709e+08	1.4364e+04	4.4244e+08
	13th(Median)	7.4165e+03	5.3340e+04	1.8672e+08	1.6304e+04	5.5717e+08
	19th	8.3718e+03	6.3219e+04	2.3886e+08	1.8341e+04	7.8071e+08
	25th(Worst)	1.4021e+04	7.1011e+04	5.3672e+08	2.2915e+04	2.1840e+09
	Mean	7.6421e+03	5.2477e+04	2.0923e+08	1.6693e+04	6.8631e+08
	Stdev	2.1496e+03	1.1267e+04	8.9547e+07	3.3585e+03	4.1324e+08
1e4	1st(Best)	4.8967e+02	1.0958e+04	2.6473e+07	7.2489e+03	4.3111e+06
	7th	7.6579e+02	1.5134e+04	6.5814e+07	8.9734e+03	7.4358e+06
	13th(Median)	9.4780e+02	1.6975e+04	9.0155e+07	1.0041e+04	1.1144e+07
	19th	1.1656e+03	2.1043e+04	1.0562e+08	1.0765e+04	1.5416e+07
	25th(Worst)	1.3677e+03	3.4752e+04	1.6483e+08	1.4506e+04	2.9746e+07
	Mean	9.6528e+02	1.8410e+04	9.1223e+07	1.0042e+04	1.2316e+07
	Stdev	2.3749e+02	5.1328e+03	3.5269e+07	1.6137e+03	5.9205e+06
1e5	1st(Best)	7.9632e+01	3.7669e+03	2.0136e+07	4.5374e+03	1.0935e+05
	7th	1.2690e+02	7.3587e+03	3.8051e+07	6.3003e+03	3.1197e+05
	13th(Median)	1.5638e+02	8.0623e+03	5.0311e+07	6.8163e+03	4.0668e+05
	19th	2.2423e+02	8.3728e+03	7.1026e+07	7.8620e+03	7.7292e+05
	25th(Worst)	3.0748e+02	1.2334e+04	7.8731e+07	9.6744e+03	1.4717e+06
	Mean	1.7781e+02	7.9253e+03	5.2376e+07	7.1400e+03	5.8642e+05
	Stdev	6.1014e+01	2.0930e+03	1.9280e+07	1.1951e+03	3.9861e+05
3e5	1st(Best)	3.5315e+01	2.7557e+03	1.6959e+07	3.1560e+03	2.2286e+04
	7th	4.9683e+01	4.9039e+03	3.2637e+07	5.8391e+03	4.9669e+04
	13th(Median)	7.0793e+01	5.8479e+03	4.0732e+07	6.4315e+03	7.8188e+04
	19th	7.9329e+01	6.8821e+03	5.5933e+07	7.2298e+03	1.2024e+05
	25th(Worst)	9.6395e+01	8.9498e+03	7.0136e+07	8.6823e+03	3.9720e+05
	Mean	6.5867e+01	5.8798e+03	4.2616e+07	6.5789e+03	1.1056e+05
	Stdev	1.7864e+01	1.4486e+03	1.5483e+07	1.2203e+03	9.5079e+04

Table B.50   Parameterless - Set Values. $l = 30$. f8-12

FE		8	9	10	11	12
1e3	1st(Best)	2.1034e+01	1.2844e+02	2.6891e+02	2.8481e+01	1.5186e+05
	7th	2.1196e+01	1.5510e+02	3.1365e+02	3.8709e+01	2.6345e+05
	13th(Median)	2.1219e+01	1.6181e+02	3.3469e+02	4.0661e+01	3.5625e+05
	19th	2.1232e+01	1.7190e+02	3.6589e+02	4.2437e+01	4.0690e+05
	25th(Worst)	2.1287e+01	2.1435e+02	4.3332e+02	4.6429e+01	4.7472e+05
	Mean	2.1206e+01	1.6493e+02	3.4253e+02	4.0030e+01	3.4291e+05
	Stdev	5.6175e-02	1.8893e+01	3.6291e+01	3.8840e+00	8.4170e+04
1e4	1st(Best)	2.0962e+01	4.7154e+01	1.8037e+02	2.6299e+01	6.4180e+04
	7th	2.1061e+01	5.6218e+01	2.2900e+02	3.2515e+01	1.0211e+05
	13th(Median)	2.1105e+01	6.4881e+01	2.4557e+02	3.5055e+01	1.2544e+05
	19th	2.1134e+01	7.2558e+01	2.5781e+02	3.6094e+01	1.4777e+05
	25th(Worst)	2.1208e+01	8.0074e+01	3.0028e+02	4.1033e+01	2.2278e+05
	Mean	2.1096e+01	6.4012e+01	2.4362e+02	3.4632e+01	1.2709e+05
	Stdev	5.8332e-02	9.5440e+00	2.5264e+01	3.2292e+00	3.5818e+04
1e5	1st(Best)	2.0857e+01	1.3033e+01	1.4245e+02	2.4421e+01	2.9164e+04
	7th	2.0967e+01	2.1993e+01	1.6728e+02	2.9163e+01	4.9158e+04
	13th(Median)	2.1000e+01	2.4335e+01	1.8320e+02	3.1893e+01	6.0985e+04
	19th	2.1047e+01	2.6604e+01	1.9884e+02	3.3495e+01	7.6716e+04
	25th(Worst)	2.1108e+01	3.7485e+01	2.3272e+02	3.9225e+01	9.7859e+04
	Mean	2.1001e+01	2.4031e+01	1.8491e+02	3.1612e+01	6.2859e+04
	Stdev	5.8301e-02	5.1003e+00	2.3430e+01	3.4172e+00	1.8590e+04
3e5	1st(Best)	2.0857e+01	9.3122e+00	1.0474e+02	2.2145e+01	2.2142e+04
	7th	2.0920e+01	1.1232e+01	1.3396e+02	2.8512e+01	3.2895e+04
	13th(Median)	2.0952e+01	1.4852e+01	1.4815e+02	3.0558e+01	4.9278e+04
	19th	2.0976e+01	1.7304e+01	1.6974e+02	3.2961e+01	6.0478e+04
	25th(Worst)	2.1014e+01	2.3675e+01	2.1190e+02	3.8794e+01	9.0426e+04
	Mean	2.0949e+01	1.5136e+01	1.5252e+02	3.0195e+01	4.9564e+04
	Stdev	4.2869e-02	3.9012e+00	2.7555e+01	3.6325e+00	1.8297e+04

Table B.51   Parameterless - Set Values. $l = 30$. f13-18

FE		13	14	15	16	18
1e3	1st(Best)	5.8762e+02	1.3566e+01	4.0487e+02	3.2382e+02	9.7662e+02
	7th	9.8267e+02	1.3969e+01	5.5130e+02	3.6806e+02	1.0183e+03
	13th(Median)	1.2980e+03	1.4026e+01	6.3634e+02	4.4137e+02	1.0260e+03
	19th	3.0896e+03	1.4212e+01	6.9318e+02	4.8669e+02	1.0548e+03
	25th(Worst)	5.6942e+03	1.4452e+01	9.7181e+02	9.4323e+02	1.0871e+03
	Mean	2.0562e+03	1.4056e+01	6.2426e+02	4.6929e+02	1.0321e+03
	Stdev	1.5094e+03	1.9826e-01	1.1197e+02	1.3021e+02	2.5416e+01
1e4	1st(Best)	1.8964e+01	1.2960e+01	1.5145e+02	2.2707e+02	9.3083e+02
	7th	2.6481e+01	1.3530e+01	4.5620e+02	2.7799e+02	9.4512e+02
	13th(Median)	3.1211e+01	1.3704e+01	4.8678e+02	3.4584e+02	9.4811e+02
	19th	3.4494e+01	1.3876e+01	5.1159e+02	4.4747e+02	9.5371e+02
	25th(Worst)	5.8268e+01	1.4093e+01	9.1026e+02	9.1547e+02	9.6055e+02
	Mean	3.1343e+01	1.3688e+01	4.7460e+02	3.9083e+02	9.4841e+02
	Stdev	7.5852e+00	2.4411e-01	1.4476e+02	1.4997e+02	7.1025e+00
1e5	1st(Best)	6.4542e+00	1.2620e+01	6.9721e+01	1.8931e+02	8.4723e+02
	7th	1.0426e+01	1.3167e+01	3.8959e+02	2.2136e+02	9.2618e+02
	13th(Median)	1.1938e+01	1.3331e+01	4.2088e+02	2.8844e+02	9.3101e+02
	19th	1.3039e+01	1.3400e+01	4.7567e+02	4.3272e+02	9.3610e+02
	25th(Worst)	1.7439e+01	1.3567e+01	9.0186e+02	5.4162e+02	9.5633e+02
	Mean	1.1779e+01	1.3253e+01	4.1694e+02	3.2897e+02	9.2977e+02
	Stdev	2.4527e+00	2.3584e-01	1.7032e+02	1.2409e+02	1.8866e+01
3e5	1st(Best)	4.6279e+00	1.2565e+01	4.9157e+01	1.3156e+02	8.0515e+02
	7th	7.0349e+00	1.3019e+01	3.7149e+02	1.9908e+02	9.2112e+02
	13th(Median)	7.8755e+00	1.3224e+01	3.8702e+02	2.4944e+02	9.2659e+02
	19th	8.7165e+00	1.3325e+01	4.5246e+02	4.2845e+02	9.3276e+02
	25th(Worst)	1.1639e+01	1.3481e+01	9.0080e+02	5.3691e+02	9.5389e+02
	Mean	7.9160e+00	1.3164e+01	3.9055e+02	3.0407e+02	9.2455e+02
	Stdev	1.7354e+00	2.3647e-01	1.7227e+02	1.3746e+02	2.6176e+01

Table B.52 Parameterless - Set Values. $l = 30$. f19-23

FE		19	20	21	22	23
1e3	1^{st}(Best)	9.7435e+02	9.7435e+02	8.3826e+02	1.0631e+03	1.0141e+03
	7th	1.0034e+03	1.0034e+03	1.1486e+03	1.1297e+03	1.1370e+03
	13^{th}(Median)	1.0214e+03	1.0214e+03	1.2039e+03	1.1691e+03	1.2005e+03
	19th	1.0397e+03	1.0397e+03	1.2209e+03	1.2093e+03	1.2258e+03
	25^{th}(Worst)	1.0782e+03	1.0782e+03	1.2369e+03	1.3959e+03	1.2455e+03
	Mean	1.0256e+03	1.0256e+03	1.1653e+03	1.1855e+03	1.1744e+03
	Stdev	2.6245e+01	2.6245e+01	8.5865e+01	7.6885e+01	7.1043e+01
1e4	1^{st}(Best)	8.7303e+02	8.7303e+02	5.9423e+02	9.8466e+02	6.0294e+02
	7th	9.4218e+02	9.4221e+02	6.3302e+02	1.0079e+03	6.6854e+02
	13^{th}(Median)	9.4602e+02	9.4602e+02	6.6100e+02	1.0317e+03	7.0810e+02
	19th	9.5251e+02	9.5251e+02	7.2240e+02	1.0564e+03	7.6220e+02
	25^{th}(Worst)	9.7621e+02	9.7621e+02	1.1925e+03	1.1366e+03	1.1916e+03
	Mean	9.4670e+02	9.4686e+02	7.4230e+02	1.0372e+03	7.8960e+02
	Stdev	1.8847e+01	1.8794e+01	1.8452e+02	3.7940e+01	1.8479e+02
1e5	1^{st}(Best)	8.1579e+02	8.1579e+02	5.1126e+02	9.4378e+02	5.3483e+02
	7th	9.2651e+02	9.2673e+02	5.2199e+02	9.8079e+02	5.4577e+02
	13^{th}(Median)	9.3121e+02	9.3121e+02	5.3116e+02	9.9763e+02	5.5331e+02
	19th	9.3958e+02	9.3958e+02	5.4083e+02	1.0162e+03	5.6861e+02
	25^{th}(Worst)	9.5484e+02	9.5484e+02	9.4131e+02	1.0635e+03	1.1774e+03
	Mean	9.2851e+02	9.2864e+02	5.6516e+02	1.0015e+03	6.2565e+02
	Stdev	2.4263e+01	2.4243e+01	1.0939e+02	2.8222e+01	1.7437e+02
3e5	1^{st}(Best)	8.0578e+02	8.0464e+02	5.0477e+02	9.4174e+02	5.3420e+02
	7th	9.2416e+02	9.2457e+02	5.0913e+02	9.7136e+02	5.3436e+02
	13^{th}(Median)	9.2796e+02	9.2796e+02	5.1083e+02	9.8569e+02	5.3494e+02
	19th	9.3501e+02	9.3501e+02	5.1447e+02	9.9842e+02	5.4490e+02
	25^{th}(Worst)	9.5395e+02	9.5395e+02	9.1252e+02	1.0232e+03	9.6406e+02
	Mean	9.2573e+02	9.2582e+02	5.4321e+02	9.8531e+02	6.0368e+02
	Stdev	2.5649e+01	2.5866e+01	1.0677e+02	2.0786e+01	1.5192e+02

Table B.53 Parameterless - Self Adaptive. $l = 30$. f1-6

FE		1	2	3	5	6
1e3	1st(Best)	4.6536e+03	3.5024e+04	7.0418e+07	1.1540e+04	1.6739e+08
	7th	7.5805e+03	5.6439e+04	2.6702e+08	2.1392e+04	5.7075e+08
	13th(Median)	9.9644e+03	7.0050e+04	3.6608e+08	2.5052e+04	1.1444e+09
	19th	1.8049e+04	8.5689e+04	4.7735e+08	2.9495e+04	3.9458e+09
	25th(Worst)	5.4757e+04	1.0291e+05	8.7200e+08	4.1329e+04	7.4530e+10
	Mean	1.6207e+04	7.1228e+04	3.9093e+08	2.5348e+04	9.4536e+09
	Stdev	1.4236e+04	1.6829e+04	1.9932e+08	6.5076e+03	1.8881e+10
1e4	1st(Best)	3.0963e+01	2.5029e+04	9.1286e+06	8.8306e+03	1.1808e+05
	7th	1.5215e+02	3.5635e+04	8.6259e+07	1.5389e+04	9.6207e+05
	13th(Median)	2.4805e+02	4.3649e+04	1.0231e+08	1.8369e+04	4.2130e+06
	19th	5.4376e+02	5.4234e+04	1.3877e+08	2.3388e+04	1.6708e+07
	25th(Worst)	1.8799e+04	7.1297e+04	2.4360e+08	3.5262e+04	1.5758e+08
	Mean	1.3620e+03	4.6019e+04	1.1229e+08	1.9461e+04	2.9102e+07
	Stdev	3.6806e+03	1.2901e+04	5.0117e+07	6.1777e+03	5.0556e+07
1e5	1st(Best)	2.2471e-01	8.3951e+03	6.4385e+06	8.2282e+03	7.5164e+02
	7th	1.3087e+00	1.4406e+04	3.4306e+07	1.0635e+04	7.0264e+03
	13th(Median)	3.6752e+00	1.8359e+04	5.0101e+07	1.2085e+04	1.0093e+04
	19th	1.0491e+01	2.1848e+04	6.5423e+07	1.5670e+04	1.6798e+04
	25th(Worst)	7.8295e+01	3.1445e+04	1.3804e+08	1.9122e+04	1.3923e+06
	Mean	9.8540e+00	1.8126e+04	5.4756e+07	1.2923e+04	1.0731e+05
	Stdev	1.6295e+01	5.4654e+03	2.8298e+07	3.0063e+03	2.9811e+05
3e5	1st(Best)	5.0636e-03	5.5681e+03	5.8904e+06	7.2251e+03	2.9064e+02
	7th	1.1942e-01	7.5480e+03	2.2094e+07	8.6561e+03	1.1257e+03
	13th(Median)	3.0721e-01	9.4483e+03	3.3076e+07	1.0252e+04	1.9808e+03
	19th	5.2670e-01	1.2232e+04	4.2565e+07	1.2754e+04	6.2890e+03
	25th(Worst)	2.4656e+00	1.8455e+04	9.8073e+07	1.4589e+04	3.4396e+04
	Mean	6.0712e-01	9.9557e+03	3.6633e+07	1.0505e+04	6.0526e+03
	Stdev	7.8336e-01	3.2926e+03	1.9321e+07	2.1270e+03	9.0996e+03

Table B.54   Parameterless - Self Adaptive. $l = 30$. f8-12

FE		8	9	10	11	12
1e3	1st(Best)	2.1044e+01	9.1429e+01	2.8336e+02	3.5188e+01	2.0954e+05
	7th	2.1197e+01	1.1585e+02	3.5814e+02	3.8243e+01	3.6377e+05
	13th(Median)	2.1230e+01	1.4371e+02	4.9484e+02	3.9384e+01	4.9221e+05
	19th	2.1297e+01	1.6396e+02	5.8852e+02	4.1636e+01	7.1977e+05
	25th(Worst)	2.1416e+01	3.8460e+02	1.0106e+03	4.7296e+01	1.3207e+06
	Mean	2.1240e+01	1.5747e+02	5.1598e+02	4.0198e+01	5.8766e+05
	Stdev	8.2777e-02	6.3664e+01	1.9023e+02	3.2111e+00	2.7819e+05
1e4	1st(Best)	2.0892e+01	8.6822e+00	1.4632e+02	3.1365e+01	3.5199e+04
	7th	2.1062e+01	1.4694e+01	2.4346e+02	3.4700e+01	9.8779e+04
	13th(Median)	2.1093e+01	2.1365e+01	3.1562e+02	3.7221e+01	1.3957e+05
	19th	2.1149e+01	2.8760e+01	3.5600e+02	3.9036e+01	1.7498e+05
	25th(Worst)	2.1274e+01	4.6489e+01	5.3284e+02	4.2384e+01	4.6008e+05
	Mean	2.1096e+01	2.3050e+01	3.1030e+02	3.6993e+01	1.5861e+05
	Stdev	9.4081e-02	1.0333e+01	9.1188e+01	2.9546e+00	9.9681e+04
1e5	1st(Best)	2.0780e+01	7.3971e-02	1.0617e+02	2.7962e+01	1.4605e+04
	7th	2.0928e+01	1.1375e+00	1.5050e+02	3.1324e+01	4.0940e+04
	13th(Median)	2.0996e+01	2.6619e+00	1.7709e+02	3.2306e+01	6.4460e+04
	19th	2.1037e+01	4.5854e+00	2.0693e+02	3.4811e+01	6.8639e+04
	25th(Worst)	2.1116e+01	7.9345e+00	2.8868e+02	4.1843e+01	1.1785e+05
	Mean	2.0980e+01	3.2057e+00	1.8027e+02	3.3212e+01	5.9477e+04
	Stdev	7.6901e-02	2.4347e+00	5.0262e+01	3.3238e+00	2.3483e+04
3e5	1st(Best)	2.0766e+01	1.2427e-03	6.4764e+01	2.6960e+01	1.2621e+04
	7th	2.0892e+01	3.0974e-02	1.0333e+02	2.8987e+01	3.1141e+04
	13th(Median)	2.0934e+01	1.1376e-01	1.4978e+02	3.1262e+01	4.4355e+04
	19th	2.0993e+01	1.1169e+00	1.6233e+02	3.2306e+01	5.6594e+04
	25th(Worst)	2.1037e+01	5.0224e+00	2.8397e+02	4.1619e+01	8.0434e+04
	Mean	2.0932e+01	8.6505e-01	1.4166e+02	3.1085e+01	4.4105e+04
	Stdev	6.9518e-02	1.2732e+00	5.2295e+01	3.1327e+00	1.7381e+04

Table B.55 Parameterless - Self Adaptive. $l = 30$. f13-18

FE		13	14	15	16	18
1e3	1st(Best)	2.4899e+02	1.3601e+01	2.9446e+02	3.2409e+02	9.9863e+02
	7th	9.4065e+02	1.4104e+01	5.7640e+02	4.6205e+02	1.0764e+03
	13th(Median)	5.4878e+03	1.4193e+01	6.9515e+02	5.4846e+02	1.0933e+03
	19th	8.3675e+03	1.4312e+01	8.0477e+02	6.0661e+02	1.2053e+03
	25th(Worst)	5.4466e+05	1.4762e+01	1.0023e+03	1.3731e+03	1.4504e+03
	Mean	4.7977e+04	1.4193e+01	6.8883e+02	5.9564e+02	1.1373e+03
	Stdev	1.3231e+05	2.5344e-01	1.7737e+02	2.5450e+02	1.0837e+02
1e4	1st(Best)	8.3959e+00	1.3394e+01	4.5446e+01	2.7321e+02	9.3343e+02
	7th	1.3109e+01	1.3735e+01	3.1205e+02	3.3926e+02	9.5490e+02
	13th(Median)	1.5502e+01	1.3935e+01	4.4633e+02	4.3333e+02	9.7693e+02
	19th	2.9079e+01	1.4090e+01	4.9418e+02	5.0215e+02	1.0171e+03
	25th(Worst)	4.3000e+02	1.4483e+01	9.1063e+02	6.3839e+02	1.1913e+03
	Mean	6.7861e+01	1.3920e+01	4.1105e+02	4.2774e+02	1.0019e+03
	Stdev	1.1995e+02	2.7143e-01	1.8572e+02	1.0333e+02	6.7734e+01
1e5	1st(Best)	1.9332e+00	1.2616e+01	3.8390e-02	1.7771e+02	9.2740e+02
	7th	3.2360e+00	1.3194e+01	2.1688e+02	2.6506e+02	9.4015e+02
	13th(Median)	4.4462e+00	1.3473e+01	3.3102e+02	3.5166e+02	9.5531e+02
	19th	6.2849e+00	1.3694e+01	4.0252e+02	4.2366e+02	9.7535e+02
	25th(Worst)	4.2702e+01	1.3940e+01	9.0014e+02	5.5291e+02	1.0437e+03
	Mean	6.3889e+00	1.3405e+01	3.2376e+02	3.6050e+02	9.5910e+02
	Stdev	7.7534e+00	3.3886e-01	1.8250e+02	1.0721e+02	2.5871e+01
3e5	1st(Best)	1.6924e+00	1.2328e+01	1.7152e-02	1.3960e+02	9.2451e+02
	7th	2.5252e+00	1.3049e+01	2.0741e+02	2.1697e+02	9.3373e+02
	13th(Median)	3.0966e+00	1.3462e+01	3.1282e+02	3.1127e+02	9.4381e+02
	19th	3.8851e+00	1.3562e+01	4.0065e+02	4.0930e+02	9.5888e+02
	25th(Worst)	8.1376e+00	1.3939e+01	5.3181e+02	5.3805e+02	1.0297e+03
	Mean	3.6241e+00	1.3282e+01	2.9661e+02	3.2821e+02	9.4953e+02
	Stdev	1.6432e+00	4.1211e-01	1.4464e+02	1.2829e+02	2.3245e+01

Table B.56 Parameterless - Self Adaptive. $l = 30$. f19-23

FE		19	20	21	22	23
1e3	1st(Best)	9.7943e+02	9.7943e+02	7.9499e+02	1.1029e+03	1.0965e+03
	7th	1.0393e+03	1.0393e+03	1.2220e+03	1.2448e+03	1.2051e+03
	13th(Median)	1.0763e+03	1.0763e+03	1.2357e+03	1.3572e+03	1.2461e+03
	19th	1.1443e+03	1.1443e+03	1.2778e+03	1.4357e+03	1.2742e+03
	25th(Worst)	1.3423e+03	1.3424e+03	1.4224e+03	1.8497e+03	1.3524e+03
	Mean	1.0969e+03	1.0969e+03	1.2386e+03	1.3574e+03	1.2375e+03
	Stdev	8.3179e+01	8.3184e+01	1.0894e+02	1.6069e+02	5.1969e+01
1e4	1st(Best)	9.2668e+02	9.2668e+02	5.1651e+02	1.0634e+03	5.4371e+02
	7th	9.5868e+02	9.5912e+02	6.1206e+02	1.1480e+03	6.7217e+02
	13th(Median)	9.8090e+02	9.8090e+02	1.1777e+03	1.2338e+03	1.1628e+03
	19th	1.0024e+03	1.0024e+03	1.2133e+03	1.2777e+03	1.1910e+03
	25th(Worst)	1.0724e+03	1.0724e+03	1.2648e+03	1.3838e+03	1.2413e+03
	Mean	9.8750e+02	9.8771e+02	9.8316e+02	1.2154e+03	9.4498e+02
	Stdev	3.5583e+01	3.5255e+01	2.9034e+02	8.3324e+01	2.8033e+02
1e5	1st(Best)	9.2245e+02	9.2245e+02	5.0005e+02	9.4665e+02	5.3416e+02
	7th	9.4452e+02	9.3972e+02	5.0067e+02	1.0268e+03	5.3417e+02
	13th(Median)	9.5124e+02	9.4986e+02	5.1567e+02	1.0594e+03	5.3419e+02
	19th	9.7968e+02	9.7102e+02	1.1838e+03	1.1120e+03	6.0929e+02
	25th(Worst)	1.0280e+03	1.0280e+03	1.2247e+03	1.3148e+03	1.2181e+03
	Mean	9.6111e+02	9.5996e+02	8.0969e+02	1.0756e+03	6.8183e+02
	Stdev	2.5574e+01	2.6054e+01	3.2868e+02	8.0958e+01	2.6455e+02
3e5	1st(Best)	9.2138e+02	9.2132e+02	5.0000e+02	9.4665e+02	5.3416e+02
	7th	9.3627e+02	9.3560e+02	5.0004e+02	1.0043e+03	5.3416e+02
	13th(Median)	9.4797e+02	9.4633e+02	5.0039e+02	1.0219e+03	5.3417e+02
	19th	9.6921e+02	9.6371e+02	1.1650e+03	1.0620e+03	5.3448e+02
	25th(Worst)	1.0073e+03	1.0241e+03	1.2133e+03	1.1076e+03	1.2066e+03
	Mean	9.5315e+02	9.5204e+02	7.7592e+02	1.0298e+03	6.6739e+02
	Stdev	2.0915e+01	2.2768e+01	3.1507e+02	4.3381e+01	2.6195e+02

Table B.57   Typical - Set Values. $l = 30$. f1-6

FE		1	2	3	5	6
1e3	1st(Best)	2.4116e+04	4.1726e+04	3.4772e+08	2.3596e+04	5.2681e+09
	7th	3.4273e+04	6.2637e+04	6.8164e+08	2.6622e+04	1.0389e+10
	13th(Median)	3.7291e+04	6.8222e+04	7.5105e+08	2.7752e+04	1.4008e+10
	19th	4.0350e+04	7.5312e+04	9.5892e+08	2.9059e+04	1.9086e+10
	25th(Worst)	4.4469e+04	9.2622e+04	1.4666e+09	3.3306e+04	2.6575e+10
	Mean	3.6911e+04	6.8812e+04	8.0033e+08	2.7996e+04	1.4624e+10
	Stdev	4.7754e+03	1.0615e+04	2.2591e+08	2.1480e+03	5.3121e+09
1e4	1st(Best)	2.1461e+03	1.3681e+04	5.8902e+07	8.6444e+03	1.1520e+08
	7th	4.1465e+03	2.3590e+04	1.1461e+08	9.5873e+03	3.2120e+08
	13th(Median)	4.8100e+03	2.7964e+04	1.5283e+08	1.0340e+04	3.8540e+08
	19th	5.3180e+03	3.2806e+04	1.6176e+08	1.1089e+04	4.7935e+08
	25th(Worst)	6.1766e+03	4.1060e+04	2.1652e+08	1.2218e+04	6.5109e+08
	Mean	4.7607e+03	2.8605e+04	1.4157e+08	1.0379e+04	3.9310e+08
	Stdev	8.5122e+02	6.1825e+03	3.8888e+07	9.5874e+02	1.3296e+08
1e5	1st(Best)	9.7949e+02	7.7200e+03	2.4107e+07	5.7604e+03	1.5849e+07
	7th	1.4793e+03	1.2797e+04	4.2965e+07	6.4742e+03	2.6325e+07
	13th(Median)	1.5854e+03	1.3439e+04	5.4614e+07	7.0593e+03	3.8553e+07
	19th	1.9887e+03	1.5310e+04	6.9954e+07	7.6626e+03	4.9510e+07
	25th(Worst)	2.4122e+03	2.0849e+04	8.0038e+07	8.2812e+03	9.7210e+07
	Mean	1.6945e+03	1.4351e+04	5.5575e+07	7.0300e+03	3.9796e+07
	Stdev	3.9011e+02	2.9635e+03	1.5276e+07	7.2590e+02	1.8154e+07
3e5	1st(Best)	4.9160e+02	5.0939e+03	1.2769e+07	4.6962e+03	4.2126e+06
	7th	6.2230e+02	8.8178e+03	2.6327e+07	5.7231e+03	6.9406e+06
	13th(Median)	7.3264e+02	9.7713e+03	3.8611e+07	6.1423e+03	9.1490e+06
	19th	8.3647e+02	1.1387e+04	4.6120e+07	6.6259e+03	1.1039e+07
	25th(Worst)	1.2916e+03	1.5504e+04	6.5370e+07	8.0610e+03	1.5244e+07
	Mean	7.4767e+02	1.0002e+04	3.7833e+07	6.2593e+03	9.2972e+06
	Stdev	1.7963e+02	2.4561e+03	1.4351e+07	7.8059e+02	3.2159e+06

Table B.58   Typical - Set Values. $l = 30$. f8-12

FE		8	9	10	11	12
1e3	1st(Best)	2.1020e+01	2.6786e+02	4.3539e+02	4.3530e+01	7.8378e+05
	7th	2.1168e+01	3.2729e+02	4.6624e+02	4.4965e+01	9.2787e+05
	13th(Median)	2.1215e+01	3.5392e+02	4.8675e+02	4.6011e+01	1.0068e+06
	19th	2.1250e+01	3.6717e+02	5.2563e+02	4.6726e+01	1.1646e+06
	25th(Worst)	2.1303e+01	3.8811e+02	5.8602e+02	4.7692e+01	1.4737e+06
	Mean	2.1200e+01	3.4703e+02	4.9658e+02	4.5821e+01	1.0416e+06
	Stdev	6.4576e-02	2.6992e+01	3.9468e+01	1.1845e+00	1.8071e+05
1e4	1st(Best)	2.0905e+01	1.6077e+02	2.4449e+02	3.6144e+01	2.1032e+05
	7th	2.1068e+01	1.8315e+02	2.6142e+02	4.1685e+01	3.1829e+05
	13th(Median)	2.1090e+01	1.9275e+02	2.6727e+02	4.2529e+01	3.5382e+05
	19th	2.1148e+01	2.0698e+02	2.7946e+02	4.3529e+01	3.9271e+05
	25th(Worst)	2.1196e+01	2.2905e+02	2.9117e+02	4.4587e+01	4.6571e+05
	Mean	2.1097e+01	1.9511e+02	2.6964e+02	4.1997e+01	3.4746e+05
	Stdev	6.1206e-02	1.7894e+01	1.2658e+01	2.0609e+00	6.1702e+04
1e5	1st(Best)	2.0905e+01	8.5673e+01	1.9215e+02	3.2732e+01	7.0652e+04
	7th	2.0966e+01	1.1242e+02	2.0997e+02	3.6926e+01	1.2521e+05
	13th(Median)	2.1001e+01	1.3182e+02	2.2898e+02	3.8115e+01	1.4391e+05
	19th	2.1035e+01	1.3842e+02	2.3144e+02	3.9341e+01	1.6446e+05
	25th(Worst)	2.1078e+01	1.5921e+02	2.5449e+02	4.1062e+01	2.0541e+05
	Mean	2.0998e+01	1.2533e+02	2.2227e+02	3.7882e+01	1.4412e+05
	Stdev	4.5726e-02	1.7985e+01	1.5378e+01	2.1032e+00	3.3262e+04
3e5	1st(Best)	2.0843e+01	5.2340e+01	1.6947e+02	3.1153e+01	5.5376e+04
	7th	2.0930e+01	6.4015e+01	1.8767e+02	3.4675e+01	7.4978e+04
	13th(Median)	2.0945e+01	7.1834e+01	2.0181e+02	3.5653e+01	1.0531e+05
	19th	2.0992e+01	7.8905e+01	2.1097e+02	3.6657e+01	1.2575e+05
	25th(Worst)	2.1035e+01	9.4039e+01	2.2185e+02	3.8626e+01	1.4774e+05
	Mean	2.0957e+01	7.2396e+01	1.9938e+02	3.5707e+01	1.0262e+05
	Stdev	4.2985e-02	1.0315e+01	1.4857e+01	1.8483e+00	3.0229e+04

Table B.59   Typical - Set Values. $l = 30$. f13-18

FE		13	14	15	16	18
1e3	1^{st}(Best)	2.1865e+04	1.3783e+01	7.9557e+02	4.8910e+02	1.1432e+03
	7th	4.7099e+04	1.4097e+01	9.3005e+02	7.2125e+02	1.1778e+03
	13^{th}(Median)	5.9651e+04	1.4181e+01	1.0033e+03	7.4565e+02	1.2074e+03
	19th	9.4140e+04	1.4271e+01	1.0328e+03	8.0580e+02	1.2313e+03
	25^{th}(Worst)	1.9409e+05	1.4453e+01	1.0774e+03	9.8233e+02	1.2995e+03
	Mean	7.3097e+04	1.4165e+01	9.7485e+02	7.4676e+02	1.2095e+03
	Stdev	3.9169e+04	1.5147e-01	8.0023e+01	1.1234e+02	3.5698e+01
1e4	1^{st}(Best)	1.7268e+02	1.3489e+01	5.1276e+02	2.5976e+02	9.6710e+02
	7th	3.4201e+02	1.3738e+01	5.5977e+02	2.8233e+02	9.7345e+02
	13^{th}(Median)	5.4595e+02	1.3818e+01	6.3778e+02	3.0079e+02	9.8014e+02
	19th	7.6792e+02	1.3983e+01	6.5964e+02	3.5862e+02	9.8842e+02
	25^{th}(Worst)	1.8240e+03	1.4049e+01	6.8521e+02	6.0072e+02	9.9991e+02
	Mean	6.0539e+02	1.3832e+01	6.1498e+02	3.3702e+02	9.8174e+02
	Stdev	3.7071e+02	1.6580e-01	6.1108e+01	8.3247e+01	9.4738e+00
1e5	1^{st}(Best)	2.9377e+01	1.3292e+01	4.6940e+02	2.2416e+02	9.3576e+02
	7th	4.1114e+01	1.3456e+01	4.9893e+02	2.4499e+02	9.4364e+02
	13^{th}(Median)	4.7541e+01	1.3555e+01	5.4203e+02	2.6450e+02	9.4777e+02
	19th	5.9375e+01	1.3646e+01	5.6440e+02	3.0002e+02	9.5107e+02
	25^{th}(Worst)	7.3770e+01	1.3784e+01	5.9768e+02	5.5442e+02	9.5669e+02
	Mean	4.9752e+01	1.3535e+01	5.3596e+02	2.9529e+02	9.4675e+02
	Stdev	1.2225e+01	1.2939e-01	3.6531e+01	8.4128e+01	5.9327e+00
3e5	1^{st}(Best)	1.6853e+01	1.2764e+01	3.9724e+02	1.9123e+02	8.7595e+02
	7th	2.2791e+01	1.3223e+01	4.8045e+02	2.1545e+02	9.3326e+02
	13^{th}(Median)	2.4972e+01	1.3379e+01	4.8527e+02	2.3228e+02	9.3581e+02
	19th	3.2366e+01	1.3456e+01	5.0480e+02	2.9176e+02	9.3844e+02
	25^{th}(Worst)	4.2418e+01	1.3654e+01	5.8482e+02	5.4610e+02	9.5055e+02
	Mean	2.7192e+01	1.3335e+01	4.9376e+02	2.7187e+02	9.3499e+02
	Stdev	6.1521e+00	2.0030e-01	3.5576e+01	9.2449e+01	1.3219e+01

Table B.60   Typical - Set Values. $l = 30$. f19-23

FE		19	20	21	22	23
1e3	1st(Best)	1.1346e+03	1.1346e+03	1.2927e+03	1.3167e+03	1.2823e+03
	7th	1.1705e+03	1.1841e+03	1.3238e+03	1.4137e+03	1.3150e+03
	13th(Median)	1.1978e+03	1.1994e+03	1.3359e+03	1.4632e+03	1.3270e+03
	19th	1.2299e+03	1.2299e+03	1.3537e+03	1.5200e+03	1.3405e+03
	25th(Worst)	1.2678e+03	1.2678e+03	1.3832e+03	1.5555e+03	1.3736e+03
	Mean	1.1999e+03	1.2023e+03	1.3375e+03	1.4560e+03	1.3267e+03
	Stdev	3.4016e+01	3.3480e+01	2.5480e+01	6.7319e+01	2.1951e+01
1e4	1st(Best)	9.6745e+02	9.6745e+02	9.4869e+02	1.0510e+03	9.6646e+02
	7th	9.7981e+02	9.7873e+02	1.0161e+03	1.0787e+03	1.0082e+03
	13th(Median)	9.8613e+02	9.8109e+02	1.0336e+03	1.1055e+03	1.0225e+03
	19th	9.8913e+02	9.8887e+02	1.0720e+03	1.1146e+03	1.0776e+03
	25th(Worst)	1.0024e+03	1.0024e+03	1.1947e+03	1.1977e+03	1.1116e+03
	Mean	9.8514e+02	9.8374e+02	1.0411e+03	1.1033e+03	1.0352e+03
	Stdev	8.1378e+00	7.9436e+00	5.9491e+01	3.3152e+01	4.6178e+01
1e5	1st(Best)	9.3794e+02	9.3921e+02	6.6657e+02	9.6922e+02	6.9675e+02
	7th	9.4441e+02	9.4441e+02	7.0093e+02	9.9584e+02	7.4597e+02
	13th(Median)	9.4708e+02	9.4672e+02	7.2112e+02	1.0040e+03	7.5679e+02
	19th	9.5216e+02	9.5159e+02	7.5344e+02	1.0176e+03	7.8057e+02
	25th(Worst)	9.5883e+02	9.5883e+02	1.0604e+03	1.0550e+03	8.3998e+02
	Mean	9.4828e+02	9.4800e+02	7.3665e+02	1.0054e+03	7.6318e+02
	Stdev	5.7586e+00	5.4240e+00	7.4000e+01	1.7548e+01	3.1978e+01
3e5	1st(Best)	9.2661e+02	9.2661e+02	5.6558e+02	9.4211e+02	5.8269e+02
	7th	9.3475e+02	9.3475e+02	5.9929e+02	9.7512e+02	6.2989e+02
	13th(Median)	9.3632e+02	9.3583e+02	6.2386e+02	9.8931e+02	6.5114e+02
	19th	9.4095e+02	9.4096e+02	6.3636e+02	1.0034e+03	6.6740e+02
	25th(Worst)	9.4654e+02	9.4453e+02	9.8864e+02	1.0210e+03	7.1332e+02
	Mean	9.3718e+02	9.3659e+02	6.3496e+02	9.8760e+02	6.5107e+02
	Stdev	4.9934e+00	4.4682e+00	7.7623e+01	1.9786e+01	3.0962e+01

Table B.61 Typical - Self Adaptive. $l = 30$. f1-6

FE		1	2	3	5	6
1e3	1st(Best)	2.9916e+04	4.6227e+04	3.0577e+08	2.1710e+04	4.8507e+09
	7th	3.5920e+04	6.7190e+04	5.2281e+08	2.6743e+04	1.2624e+10
	13th(Median)	3.9235e+04	7.3355e+04	8.0697e+08	2.7699e+04	1.4875e+10
	19th	4.4882e+04	8.2413e+04	9.1785e+08	2.8726e+04	1.8018e+10
	25th(Worst)	5.9769e+04	9.8700e+04	1.3417e+09	3.0822e+04	2.2047e+10
	Mean	4.0845e+04	7.4080e+04	7.2536e+08	2.7493e+04	1.4801e+10
	Stdev	7.1549e+03	1.3272e+04	2.5798e+08	1.9136e+03	4.0579e+09
1e4	1st(Best)	5.2389e+02	9.6744e+03	1.6933e+07	7.1989e+03	7.9956e+06
	7th	8.9357e+02	2.0299e+04	5.5449e+07	7.8591e+03	3.1793e+07
	13th(Median)	1.0766e+03	2.5768e+04	6.5380e+07	1.0287e+04	5.5070e+07
	19th	1.3665e+03	2.8928e+04	9.1626e+07	1.2016e+04	7.3379e+07
	25th(Worst)	2.3863e+03	3.7783e+04	1.9474e+08	1.4970e+04	9.5078e+08
	Mean	1.1487e+03	2.4097e+04	7.8612e+07	1.0287e+04	9.5503e+07
	Stdev	4.6139e+02	7.3583e+03	4.3787e+07	2.3201e+03	1.7886e+08
1e5	1st(Best)	8.1132e-02	6.4275e+03	1.4777e+07	6.4468e+03	1.6101e+03
	7th	2.3447e+00	1.5258e+04	2.9033e+07	7.3736e+03	8.5324e+03
	13th(Median)	1.2345e+01	1.9398e+04	3.7378e+07	9.6354e+03	2.3774e+04
	19th	3.2321e+01	2.1758e+04	4.8674e+07	1.1409e+04	1.2114e+05
	25th(Worst)	2.0041e+02	3.4516e+04	1.0826e+08	1.3954e+04	1.9777e+07
	Mean	2.8489e+01	1.8349e+04	4.2683e+07	9.7773e+03	1.0711e+06
	Stdev	4.2765e+01	6.1885e+03	2.2700e+07	2.2326e+03	3.8900e+06
3e5	1st(Best)	8.1132e-02	4.5565e+03	1.2696e+07	6.4468e+03	7.0301e+02
	7th	6.6675e-01	1.1383e+04	2.4159e+07	7.3528e+03	1.6236e+03
	13th(Median)	1.6241e+00	1.4577e+04	3.3565e+07	9.6353e+03	2.9379e+03
	19th	6.4017e+00	1.6343e+04	3.8991e+07	1.1293e+04	9.7442e+03
	25th(Worst)	1.9373e+02	2.5525e+04	7.7598e+07	1.3897e+04	6.5962e+05
	Mean	1.4870e+01	1.4212e+04	3.4442e+07	9.7072e+03	3.7605e+04
	Stdev	3.8926e+01	4.9121e+03	1.6148e+07	2.2471e+03	1.3082e+05

Table B.62 Typical - Self Adaptive. $l = 30$. f8-12

FE		8	9	10	11	12
1e3	1st(Best)	2.1100e+01	3.0289e+02	3.9779e+02	4.0806e+01	7.9607e+05
	7th	2.1200e+01	3.2852e+02	4.8218e+02	4.3788e+01	9.4586e+05
	13th(Median)	2.1226e+01	3.5066e+02	5.3704e+02	4.5119e+01	1.0695e+06
	19th	2.1233e+01	3.5539e+02	5.4683e+02	4.6754e+01	1.1748e+06
	25th(Worst)	2.1308e+01	4.1829e+02	6.0173e+02	4.7797e+01	1.4062e+06
	Mean	2.1221e+01	3.4717e+02	5.1448e+02	4.5095e+01	1.0747e+06
	Stdev	4.7366e-02	2.4228e+01	5.1825e+01	1.8479e+00	1.5906e+05
1e4	1st(Best)	2.0990e+01	3.0668e+01	7.9614e+01	2.6882e+01	6.6342e+04
	7th	2.1058e+01	4.0986e+01	1.5415e+02	3.1232e+01	1.1165e+05
	13th(Median)	2.1103e+01	4.9009e+01	1.7588e+02	3.2489e+01	1.3165e+05
	19th	2.1139e+01	5.4599e+01	1.8209e+02	3.4814e+01	1.5475e+05
	25th(Worst)	2.1175e+01	8.7424e+01	2.4126e+02	4.3266e+01	2.1126e+05
	Mean	2.1098e+01	4.9972e+01	1.7168e+02	3.3294e+01	1.3467e+05
	Stdev	5.1888e-02	1.2441e+01	3.3763e+01	3.6866e+00	3.4030e+04
1e5	1st(Best)	2.0883e+01	4.4824e-02	3.8888e+01	2.3919e+01	1.9866e+04
	7th	2.0996e+01	1.1881e+00	7.8343e+01	2.9442e+01	3.7640e+04
	13th(Median)	2.1048e+01	4.4240e+00	9.6485e+01	3.1042e+01	5.2882e+04
	19th	2.1075e+01	7.7843e+00	1.1559e+02	3.4525e+01	7.0753e+04
	25th(Worst)	2.1118e+01	3.3833e+01	1.6075e+02	3.8439e+01	1.2071e+05
	Mean	2.1030e+01	5.9601e+00	9.9388e+01	3.1725e+01	5.7989e+04
	Stdev	6.6581e-02	6.8644e+00	3.0672e+01	3.8548e+00	2.7710e+04
3e5	1st(Best)	2.0883e+01	2.2694e-03	3.5477e+01	2.3919e+01	1.2555e+04
	7th	2.0976e+01	1.0982e-01	6.9025e+01	2.9442e+01	2.7783e+04
	13th(Median)	2.1009e+01	4.2975e-01	8.0231e+01	3.0740e+01	3.6141e+04
	19th	2.1062e+01	1.2353e+00	1.0766e+02	3.4525e+01	5.5205e+04
	25th(Worst)	2.1118e+01	1.6509e+01	1.4874e+02	3.8439e+01	9.6989e+04
	Mean	2.1009e+01	1.8345e+00	8.6495e+01	3.1484e+01	4.4441e+04
	Stdev	6.5446e-02	3.6443e+00	2.9488e+01	3.8623e+00	2.2564e+04

Table B.63 Typical - Self Adaptive. $l = 30$. f13-18

FE		13	14	15	16	18
1e3	1st(Best)	3.8710e+04	1.3735e+01	8.4239e+02	4.5912e+02	1.1361e+03
	7th	9.2679e+04	1.4007e+01	9.4084e+02	6.2543e+02	1.1929e+03
	13th(Median)	1.0686e+05	1.4125e+01	9.9106e+02	7.1990e+02	1.2219e+03
	19th	1.3585e+05	1.4285e+01	1.0289e+03	7.5291e+02	1.2371e+03
	25th(Worst)	2.8647e+05	1.4443e+01	1.0930e+03	9.4473e+02	1.2914e+03
	Mean	1.2480e+05	1.4140e+01	9.8337e+02	6.9263e+02	1.2146e+03
	Stdev	5.9730e+04	1.8114e-01	6.1496e+01	1.0168e+02	3.7233e+01
1e4	1st(Best)	3.0195e+01	1.3258e+01	3.1029e+02	1.3545e+02	9.3452e+02
	7th	4.4144e+01	1.3632e+01	3.8347e+02	2.0114e+02	9.6062e+02
	13th(Median)	7.2960e+01	1.3708e+01	4.2191e+02	2.3678e+02	9.7477e+02
	19th	1.1998e+02	1.3871e+01	4.9789e+02	4.3730e+02	9.8486e+02
	25th(Worst)	5.8812e+02	1.4016e+01	6.1954e+02	5.7982e+02	1.0309e+03
	Mean	1.1897e+02	1.3726e+01	4.4842e+02	3.0543e+02	9.7565e+02
	Stdev	1.2513e+02	1.8763e-01	8.8564e+01	1.4085e+02	2.0022e+01
1e5	1st(Best)	4.1389e+00	1.2061e+01	2.0479e+02	1.0363e+02	9.3210e+02
	7th	5.3971e+00	1.2584e+01	2.2127e+02	1.4942e+02	9.5021e+02
	13th(Median)	7.3052e+00	1.3113e+01	3.1704e+02	1.6632e+02	9.5696e+02
	19th	1.0462e+01	1.3458e+01	4.0474e+02	4.1252e+02	9.7346e+02
	25th(Worst)	5.6585e+01	1.3615e+01	5.3434e+02	5.4009e+02	1.0279e+03
	Mean	9.9304e+00	1.3046e+01	3.3137e+02	2.4651e+02	9.6544e+02
	Stdev	9.9840e+00	4.5762e-01	1.0814e+02	1.5532e+02	2.1715e+01
3e5	1st(Best)	2.3769e+00	1.2059e+01	2.0456e+02	9.2656e+01	9.3210e+02
	7th	3.6633e+00	1.2584e+01	2.1665e+02	1.2426e+02	9.4994e+02
	13th(Median)	6.1046e+00	1.3061e+01	3.1435e+02	1.4973e+02	9.5696e+02
	19th	7.5919e+00	1.3396e+01	4.0168e+02	4.0387e+02	9.7281e+02
	25th(Worst)	3.1344e+01	1.3585e+01	5.1936e+02	5.2685e+02	1.0279e+03
	Mean	6.8678e+00	1.3017e+01	3.2342e+02	2.3573e+02	9.6489e+02
	Stdev	5.6099e+00	4.4449e-01	1.0633e+02	1.5650e+02	2.1775e+01

Table B.64   Typical - Self Adaptive. $l = 30$. f19-23

FE		19	20	21	22	23
1e3	1st(Best)	1.1564e+03	1.1564e+03	1.2704e+03	1.2389e+03	1.2778e+03
	7th	1.1980e+03	1.1980e+03	1.3115e+03	1.3936e+03	1.3189e+03
	13th(Median)	1.2063e+03	1.2063e+03	1.3265e+03	1.4468e+03	1.3361e+03
	19th	1.2310e+03	1.2310e+03	1.3574e+03	1.4703e+03	1.3451e+03
	25th(Worst)	1.2979e+03	1.2979e+03	1.3731e+03	1.5908e+03	1.3795e+03
	Mean	1.2121e+03	1.2121e+03	1.3314e+03	1.4362e+03	1.3341e+03
	Stdev	3.5163e+01	3.5164e+01	2.8233e+01	7.3255e+01	2.1422e+01
1e4	1st(Best)	9.3960e+02	9.3960e+02	6.4558e+02	9.4893e+02	6.1880e+02
	7th	9.5558e+02	9.5350e+02	7.4597e+02	1.0149e+03	7.8732e+02
	13th(Median)	9.6247e+02	9.6247e+02	8.1072e+02	1.0601e+03	8.3862e+02
	19th	9.7356e+02	9.8092e+02	1.0192e+03	1.0801e+03	9.1453e+02
	25th(Worst)	1.0546e+03	1.0546e+03	1.2014e+03	1.1466e+03	1.2191e+03
	Mean	9.7155e+02	9.7279e+02	8.8294e+02	1.0551e+03	8.8343e+02
	Stdev	2.8290e+01	2.9909e+01	1.8255e+02	5.0065e+01	1.8639e+02
1e5	1st(Best)	8.1132e+02	8.1132e+02	5.0012e+02	8.9071e+02	5.3417e+02
	7th	9.3975e+02	9.4096e+02	5.0175e+02	9.6378e+02	5.3419e+02
	13th(Median)	9.5077e+02	9.5077e+02	5.0308e+02	9.8827e+02	5.3430e+02
	19th	9.6039e+02	9.6381e+02	5.1139e+02	1.0580e+03	5.4445e+02
	25th(Worst)	1.0524e+03	1.0527e+03	1.2005e+03	1.1436e+03	1.2007e+03
	Mean	9.5082e+02	9.5274e+02	6.3883e+02	1.0118e+03	6.9081e+02
	Stdev	3.9916e+01	4.1674e+01	2.6953e+02	6.0789e+01	2.7652e+02
3e5	1st(Best)	8.0038e+02	8.0024e+02	5.0002e+02	8.9071e+02	5.3417e+02
	7th	9.3948e+02	9.4096e+02	5.0026e+02	9.6378e+02	5.3418e+02
	13th(Median)	9.5049e+02	9.5077e+02	5.0072e+02	9.8827e+02	5.3419e+02
	19th	9.6039e+02	9.6381e+02	5.0295e+02	1.0547e+03	5.3436e+02
	25th(Worst)	1.0506e+03	1.0519e+03	1.2005e+03	1.1436e+03	1.1972e+03
	Mean	9.5003e+02	9.5174e+02	6.3637e+02	1.0114e+03	6.8937e+02
	Stdev	4.1329e+01	4.2946e+01	2.7065e+02	6.0610e+01	2.7619e+02

Table B.65   Predicted - Set Values. $l = 50$. f1-6

FE		1	2	3	5	6
1e3	1st(Best)	9.9598e+03	9.5530e+04	2.3269e+08	2.6231e+04	1.5575e+09
	7th	1.7036e+04	1.1713e+05	3.8243e+08	3.0823e+04	3.0923e+09
	13th(Median)	1.9919e+04	1.3821e+05	4.8165e+08	3.4361e+04	3.5211e+09
	19th	2.5080e+04	1.5658e+05	6.1812e+08	3.7137e+04	5.0793e+09
	25th(Worst)	3.0737e+04	2.6396e+05	8.9734e+08	4.4315e+04	1.1933e+10
	Mean	2.1116e+04	1.4510e+05	5.1568e+08	3.4424e+04	4.4820e+09
	Stdev	5.2007e+03	3.7958e+04	1.7438e+08	4.8021e+03	2.4808e+09
1e4	1st(Best)	2.7645e+01	5.4715e+04	4.9232e+07	2.0252e+04	4.2908e+04
	7th	5.8849e+01	7.1087e+04	1.4607e+08	2.3512e+04	7.1696e+04
	13th(Median)	6.7776e+01	7.9424e+04	1.9316e+08	2.5602e+04	1.0072e+05
	19th	8.4524e+01	8.4359e+04	2.6049e+08	2.9424e+04	2.6316e+05
	25th(Worst)	1.1804e+02	1.1553e+05	3.5709e+08	3.3234e+04	7.2933e+05
	Mean	7.0645e+01	7.8674e+04	2.0264e+08	2.6235e+04	1.8322e+05
	Stdev	2.3027e+01	1.4039e+04	7.3665e+07	3.6734e+03	1.6121e+05
1e5	1st(Best)	4.8074e-02	5.6393e+03	1.6726e+07	4.7261e+03	1.4491e+02
	7th	7.9278e-02	7.0291e+03	2.4085e+07	5.5991e+03	2.9616e+02
	13th(Median)	9.8640e-02	8.0936e+03	2.7323e+07	5.9740e+03	3.3402e+02
	19th	1.0963e-01	9.3793e+03	3.5439e+07	6.4648e+03	6.2336e+02
	25th(Worst)	1.6937e-01	1.4844e+04	5.6211e+07	8.0388e+03	3.8641e+03
	Mean	9.9871e-02	8.5871e+03	3.0233e+07	6.0859e+03	6.4873e+02
	Stdev	3.2590e-02	2.1852e+03	9.0057e+06	6.7867e+02	7.9738e+02
5e5	1st(Best)	1.2340e-03	8.3605e+03	1.8378e+07	4.0339e+03	4.1594e+01
	7th	2.0540e-03	1.0337e+04	2.1921e+07	4.5371e+03	1.0361e+02
	13th(Median)	2.7807e-03	1.1677e+04	2.5156e+07	4.6164e+03	1.6961e+02
	19th	3.1653e-03	1.2496e+04	2.7945e+07	4.7219e+03	2.1981e+02
	25th(Worst)	4.1596e-03	1.5592e+04	3.5445e+07	5.2159e+03	8.0565e+02
	Mean	2.6535e-03	1.1481e+04	2.5282e+07	4.6362e+03	1.9455e+02
	Stdev	6.8646e-04	1.7664e+03	4.0346e+06	2.6923e+02	1.4683e+02

Table B.66   Predicted - Set Values. $l = 50$. f8-12

FE		8	9	10	11	12
1e3	1st(Best)	2.1180e+01	2.2774e+02	5.8554e+02	6.2528e+01	8.5000e+05
	7th	2.1328e+01	2.5713e+02	6.8625e+02	6.5320e+01	1.2810e+06
	13th(Median)	2.1357e+01	2.8213e+02	7.5953e+02	6.8231e+01	1.4243e+06
	19th	2.1377e+01	3.0511e+02	8.0676e+02	7.1373e+01	1.6304e+06
	25th(Worst)	2.1385e+01	3.6002e+02	9.6800e+02	7.6050e+01	2.0252e+06
	Mean	2.1345e+01	2.8253e+02	7.6045e+02	6.8424e+01	1.4342e+06
	Stdev	4.4118e-02	3.2274e+01	1.0141e+02	3.6604e+00	2.7770e+05
1e4	1st(Best)	2.1162e+01	3.1722e+01	2.5176e+02	4.9974e+01	1.5479e+05
	7th	2.1238e+01	4.0309e+01	3.4323e+02	5.5192e+01	2.8937e+05
	13th(Median)	2.1267e+01	4.2844e+01	4.2057e+02	5.9825e+01	3.4146e+05
	19th	2.1290e+01	5.1433e+01	4.6863e+02	6.1991e+01	3.9109e+05
	25th(Worst)	2.1330e+01	5.8599e+01	5.4033e+02	6.8831e+01	6.1478e+05
	Mean	2.1260e+01	4.5140e+01	4.0466e+02	5.8852e+01	3.4253e+05
	Stdev	4.2601e-02	7.4295e+00	7.6870e+01	5.1203e+00	8.9953e+04
1e5	1st(Best)	2.1056e+01	1.2421e-01	3.1078e+02	4.9410e+01	2.9546e+04
	7th	2.1146e+01	1.3227e+00	3.1993e+02	5.2001e+01	5.8998e+04
	13th(Median)	2.1166e+01	1.9488e+00	3.2762e+02	5.3465e+01	7.8960e+04
	19th	2.1183e+01	3.2324e+00	3.3480e+02	5.6027e+01	1.0556e+05
	25th(Worst)	2.1233e+01	5.9520e+00	3.5023e+02	6.0557e+01	1.4977e+05
	Mean	2.1167e+01	2.2820e+00	3.2750e+02	5.4250e+01	8.2312e+04
	Stdev	3.9275e-02	1.2916e+00	1.1242e+01	2.9406e+00	2.9442e+04
5e5	1st(Best)	2.1030e+01	1.3773e-03	2.7766e+02	1.8311e+01	2.1874e+04
	7th	2.1064e+01	2.4255e-03	2.9484e+02	2.1123e+01	3.0123e+04
	13th(Median)	2.1097e+01	3.5122e-03	3.0563e+02	2.2445e+01	4.6229e+04
	19th	2.1134e+01	4.9128e-03	3.1527e+02	2.4070e+01	5.8504e+04
	25th(Worst)	2.1184e+01	9.5993e-03	3.2404e+02	2.7251e+01	1.1480e+05
	Mean	2.1101e+01	4.1253e-03	3.0502e+02	2.2486e+01	5.1494e+04
	Stdev	4.4158e-02	2.0024e-03	1.1671e+01	2.0943e+00	2.6393e+04

Predicted - Set Values. $l = 50$. f13-18

FE		13	14	15	16	18
1e3	1st(Best)	2.4238e+03	2.3079e+01	5.3766e+02	4.2276e+02	1.0972e+03
	7th	9.3120e+03	2.3668e+01	6.2939e+02	5.0362e+02	1.1059e+03
	13th(Median)	1.4945e+04	2.3816e+01	6.8923e+02	5.3890e+02	1.1500e+03
	19th	3.2323e+04	2.3959e+01	7.4462e+02	5.6931e+02	1.1928e+03
	25th(Worst)	6.4255e+04	2.4111e+01	8.5605e+02	6.4019e+02	1.2760e+03
	Mean	2.1497e+04	2.3798e+01	6.7930e+02	5.3159e+02	1.1581e+03
	Stdev	1.6844e+04	2.2303e-01	8.2970e+01	5.2452e+01	5.2256e+01
1e4	1st(Best)	2.3736e+01	2.2693e+01	1.1259e+02	1.7509e+02	1.0407e+03
	7th	4.0957e+01	2.3145e+01	3.2548e+02	3.0704e+02	1.1015e+03
	13th(Median)	6.8705e+01	2.3377e+01	3.9002e+02	4.0684e+02	1.1329e+03
	19th	8.3073e+01	2.3474e+01	4.5197e+02	4.3378e+02	1.1555e+03
	25th(Worst)	1.5645e+02	2.3698e+01	4.5596e+02	4.8928e+02	1.2465e+03
	Mean	7.0413e+01	2.3318e+01	3.7390e+02	3.6763e+02	1.1343e+03
	Stdev	3.6892e+01	2.4640e-01	7.9626e+01	8.0165e+01	4.6068e+01
1e5	1st(Best)	5.1372e+00	2.1607e+01	2.0018e+02	2.0783e+02	9.3496e+02
	7th	6.3484e+00	2.2565e+01	2.0024e+02	2.2844e+02	9.4122e+02
	13th(Median)	7.0803e+00	2.2787e+01	4.0000e+02	2.3428e+02	9.5016e+02
	19th	7.4820e+00	2.2894e+01	4.0000e+02	2.3950e+02	9.5245e+02
	25th(Worst)	1.0961e+01	2.3263e+01	4.0000e+02	3.1904e+02	9.5910e+02
	Mean	7.0938e+00	2.2688e+01	3.2409e+02	2.3565e+02	9.4793e+02
	Stdev	1.1944e+00	3.6568e-01	8.6069e+01	1.9440e+01	7.3850e+00
5e5	1st(Best)	1.7972e+01	2.1005e+01	2.0014e+02	1.9323e+02	9.2809e+02
	7th	2.1107e+01	2.2061e+01	2.0017e+02	2.1383e+02	9.3592e+02
	13th(Median)	2.2207e+01	2.2346e+01	2.0020e+02	2.2152e+02	9.3775e+02
	19th	2.3011e+01	2.2656e+01	4.0000e+02	2.2558e+02	9.4285e+02
	25th(Worst)	2.4535e+01	2.3051e+01	4.0000e+02	2.3097e+02	9.4993e+02
	Mean	2.2073e+01	2.2269e+01	2.9609e+02	2.1959e+02	9.3896e+02
	Stdev	1.4743e+00	5.1689e-01	9.9831e+01	8.5883e+00	5.6171e+00

Table B.68   Predicted - Set Values. $l = 50$. f19-23

FE		19	20	21	22	23
1e3	1st(Best)	1.0969e+03	1.0970e+03	1.1205e+03	1.1318e+03	1.1363e+03
	7th	1.1191e+03	1.1191e+03	1.2357e+03	1.2192e+03	1.2535e+03
	13th(Median)	1.1608e+03	1.1608e+03	1.2636e+03	1.2573e+03	1.2737e+03
	19th	1.1948e+03	1.1948e+03	1.2807e+03	1.3253e+03	1.2969e+03
	25th(Worst)	1.3583e+03	1.2785e+03	1.3844e+03	1.3785e+03	1.3711e+03
	Mean	1.1663e+03	1.1631e+03	1.2532e+03	1.2701e+03	1.2688e+03
	Stdev	5.8600e+01	4.9532e+01	5.2374e+01	6.7857e+01	4.7691e+01
1e4	1st(Best)	1.0217e+03	1.0217e+03	5.7685e+02	1.0304e+03	6.0635e+02
	7th	1.0903e+03	1.0890e+03	7.3097e+02	1.0415e+03	6.8152e+02
	13th(Median)	1.1323e+03	1.1323e+03	1.2407e+03	1.0616e+03	1.2273e+03
	19th	1.1657e+03	1.1657e+03	1.2625e+03	1.0892e+03	1.2423e+03
	25th(Worst)	1.2185e+03	1.2185e+03	1.3025e+03	1.0975e+03	1.3170e+03
	Mean	1.1253e+03	1.1242e+03	1.0679e+03	1.0648e+03	9.8981e+02
	Stdev	5.2893e+01	5.3274e+01	2.7916e+02	2.2771e+01	2.8515e+02
1e5	1st(Best)	9.2913e+02	9.2213e+02	5.0000e+02	9.2292e+02	5.3912e+02
	7th	9.4480e+02	9.4185e+02	5.0000e+02	9.4113e+02	5.3912e+02
	13th(Median)	9.4735e+02	9.4706e+02	5.0000e+02	9.5327e+02	5.3915e+02
	19th	9.5353e+02	9.5454e+02	5.0000e+02	9.5672e+02	5.3919e+02
	25th(Worst)	9.5956e+02	9.6604e+02	5.0004e+02	9.6221e+02	8.8772e+02
	Mean	9.4849e+02	9.4619e+02	5.0000e+02	9.4870e+02	5.5340e+02
	Stdev	7.2395e+00	1.1296e+01	8.2247e-03	1.0575e+01	6.8247e+01
5e5	1st(Best)	9.3098e+02	9.3294e+02	5.0000e+02	9.1264e+02	5.3912e+02
	7th	9.3489e+02	9.3752e+02	5.0000e+02	9.2483e+02	5.3915e+02
	13th(Median)	9.3751e+02	9.3931e+02	5.0000e+02	9.2798e+02	5.3917e+02
	19th	9.4107e+02	9.4117e+02	5.0000e+02	9.3582e+02	5.3917e+02
	25th(Worst)	9.5032e+02	9.5131e+02	5.0000e+02	9.4356e+02	5.3918e+02
	Mean	9.3887e+02	9.4026e+02	5.0000e+02	9.2921e+02	5.3916e+02
	Stdev	5.3510e+00	4.5549e+00	0.0000e+00	8.6645e+00	2.1284e-02

Table B.69   Predicted - Self Adaptive. $l = 50$. f1-6

FE		1	2	3	5	6
1e3	1^{st}(Best)	1.8767e+04	1.2129e+05	3.8853e+08	2.6071e+04	1.5720e+09
	7th	2.2851e+04	1.8027e+05	5.3450e+08	3.3540e+04	3.6009e+09
	13^{th}(Median)	2.7671e+04	1.9384e+05	7.3200e+08	3.7289e+04	9.8625e+09
	19th	3.3853e+04	2.3868e+05	9.6122e+08	4.0361e+04	1.5584e+10
	25^{th}(Worst)	1.0364e+05	3.0588e+05	7.3212e+09	4.5741e+04	7.5666e+10
	Mean	3.1803e+04	2.0445e+05	1.0630e+09	3.6866e+04	1.7509e+10
	Stdev	1.6678e+04	4.4906e+04	1.3400e+09	4.9038e+03	2.0918e+10
1e4	1^{st}(Best)	9.3278e+01	4.8686e+04	1.0734e+08	1.4053e+04	8.8791e+05
	7th	4.0690e+02	9.2243e+04	2.2022e+08	2.5018e+04	3.1341e+06
	13^{th}(Median)	9.1057e+02	1.0314e+05	2.7286e+08	2.7101e+04	7.7378e+06
	19th	1.2785e+03	1.3726e+05	3.5442e+08	2.9674e+04	3.1748e+07
	25^{th}(Worst)	7.1755e+03	1.8336e+05	7.1806e+08	3.6594e+04	5.3308e+09
	Mean	1.2110e+03	1.1294e+05	3.0403e+08	2.7071e+04	2.4607e+08
	Stdev	1.4512e+03	3.2777e+04	1.3528e+08	5.0721e+03	1.0404e+09
1e5	1^{st}(Best)	1.1048e+00	8.0608e+03	3.9721e+07	9.7806e+03	9.6046e+02
	7th	5.9852e+00	2.1232e+04	9.4417e+07	1.1805e+04	2.2300e+04
	13^{th}(Median)	1.2768e+01	2.7469e+04	1.0734e+08	1.2541e+04	6.5122e+04
	19th	5.0275e+01	3.6107e+04	1.2678e+08	1.3889e+04	2.4207e+05
	25^{th}(Worst)	5.8157e+02	4.1678e+04	2.2959e+08	1.7433e+04	2.3962e+06
	Mean	6.3354e+01	2.8239e+04	1.1444e+08	1.2948e+04	3.6995e+05
	Stdev	1.3222e+02	8.9690e+03	3.5529e+07	1.7467e+03	6.3462e+05
5e5	1^{st}(Best)	5.3220e-02	2.3552e+03	2.8602e+07	5.0939e+03	3.4888e+02
	7th	2.5378e-01	3.5659e+03	4.3552e+07	6.6951e+03	7.1015e+02
	13^{th}(Median)	6.8417e-01	4.6766e+03	5.3738e+07	7.5460e+03	1.7587e+03
	19th	1.8239e+00	6.8211e+03	6.0789e+07	8.2275e+03	8.9504e+03
	25^{th}(Worst)	2.4248e+01	1.1155e+04	8.4710e+07	1.1329e+04	9.6111e+05
	Mean	3.3421e+00	5.3143e+03	5.3340e+07	7.5208e+03	4.4841e+04
	Stdev	6.1098e+00	2.3741e+03	1.4342e+07	1.3265e+03	1.8750e+05

Table B.70   Predicted - Self Adaptive. $l = 50$. f8-12

FE		8	9	10	11	12
1e3	1st(Best)	2.1254e+01	2.4704e+02	6.0258e+02	6.3450e+01	1.1486e+06
	7th	2.1315e+01	3.1010e+02	8.0053e+02	7.1067e+01	1.3682e+06
	13th(Median)	2.1360e+01	3.3430e+02	8.8333e+02	7.3159e+01	1.6916e+06
	19th	2.1393e+01	3.6641e+02	1.0164e+03	7.6182e+01	1.9988e+06
	25th(Worst)	2.1439e+01	8.4785e+02	1.3351e+03	8.1936e+01	8.3821e+06
	Mean	2.1354e+01	3.7043e+02	9.2507e+02	7.3286e+01	2.0777e+06
	Stdev	5.1022e-02	1.2919e+02	1.8137e+02	4.8518e+00	1.4289e+06
1e4	1st(Best)	2.1156e+01	3.2083e+01	3.7172e+02	6.0211e+01	3.0417e+05
	7th	2.1243e+01	4.1020e+01	4.9177e+02	6.4217e+01	4.2054e+05
	13th(Median)	2.1285e+01	5.2245e+01	5.7325e+02	6.8382e+01	5.6812e+05
	19th	2.1302e+01	1.0836e+02	6.8024e+02	7.3517e+01	7.8003e+05
	25th(Worst)	2.1387e+01	1.8755e+02	9.2644e+02	7.8902e+01	1.3986e+06
	Mean	2.1273e+01	7.2289e+01	5.9630e+02	6.8772e+01	6.3724e+05
	Stdev	5.3187e-02	4.2092e+01	1.4882e+02	5.3469e+00	2.9075e+05
1e5	1st(Best)	2.0955e+01	2.8753e-01	1.0069e+02	5.4187e+01	8.3193e+04
	7th	2.1050e+01	4.6005e+00	1.2402e+02	6.2380e+01	2.0068e+05
	13th(Median)	2.1171e+01	8.5298e+00	1.5174e+02	6.5729e+01	2.3827e+05
	19th	2.1216e+01	1.1584e+01	1.7682e+02	6.9616e+01	2.7532e+05
	25th(Worst)	2.1365e+01	4.0562e+01	2.3932e+02	7.7741e+01	4.2478e+05
	Mean	2.1148e+01	1.0584e+01	1.5455e+02	6.6270e+01	2.4209e+05
	Stdev	1.0945e-01	1.0483e+01	3.8278e+01	5.4015e+00	6.7415e+04
5e5	1st(Best)	2.0772e+01	3.9595e-03	4.3256e+01	4.1643e+01	3.7247e+04
	7th	2.0930e+01	1.2181e-01	6.9688e+01	5.4415e+01	8.3427e+04
	13th(Median)	2.0989e+01	3.4982e-01	8.9926e+01	5.7305e+01	1.0391e+05
	19th	2.1067e+01	1.7419e+00	1.0328e+02	6.0153e+01	1.4153e+05
	25th(Worst)	2.1289e+01	1.1405e+01	1.3051e+02	6.6607e+01	1.9794e+05
	Mean	2.0998e+01	1.2517e+00	8.7707e+01	5.7358e+01	1.0968e+05
	Stdev	1.2488e-01	2.2675e+00	2.2018e+01	5.7966e+00	4.2722e+04

Table B.71 Predicted - Self Adaptive. $l = 50$. f13-18

FE		13	14	15	16	18
1e3	1^{st}(Best)	6.2680e+02	2.3407e+01	5.5148e+02	3.9900e+02	1.0712e+03
	7th	1.7179e+04	2.3875e+01	6.3811e+02	5.6973e+02	1.1750e+03
	13^{th}(Median)	4.0575e+04	2.3906e+01	6.9767e+02	6.3836e+02	1.2155e+03
	19th	5.9183e+04	2.4024e+01	8.3740e+02	6.9591e+02	1.2565e+03
	25^{th}(Worst)	1.3815e+06	2.4174e+01	9.6191e+02	9.9077e+02	1.4006e+03
	Mean	1.4472e+05	2.3899e+01	7.2755e+02	6.4816e+02	1.2188e+03
	Stdev	3.0245e+05	1.9193e-01	1.1343e+02	1.2646e+02	7.8089e+01
1e4	1^{st}(Best)	5.6121e+01	2.2146e+01	3.1897e+02	2.7842e+02	1.0092e+03
	7th	7.8757e+01	2.3207e+01	4.2202e+02	4.1975e+02	1.0388e+03
	13^{th}(Median)	1.5151e+02	2.3551e+01	4.5528e+02	4.5082e+02	1.0905e+03
	19th	3.2367e+02	2.3700e+01	4.7371e+02	5.0114e+02	1.1452e+03
	25^{th}(Worst)	4.5111e+03	2.4073e+01	7.2091e+02	5.6604e+02	1.3433e+03
	Mean	4.4187e+02	2.3472e+01	4.5426e+02	4.4778e+02	1.1014e+03
	Stdev	8.8472e+02	4.3331e-01	7.6527e+01	7.6404e+01	7.8565e+01
1e5	1^{st}(Best)	8.6296e+00	2.2133e+01	2.0290e+02	6.3291e+01	9.5968e+02
	7th	1.2798e+01	2.2991e+01	2.3882e+02	1.1617e+02	9.6874e+02
	13^{th}(Median)	1.5807e+01	2.3349e+01	2.8849e+02	1.4010e+02	9.8212e+02
	19th	2.2121e+01	2.3586e+01	4.1973e+02	1.6771e+02	9.9846e+02
	25^{th}(Worst)	1.6232e+02	2.3747e+01	4.4714e+02	4.2223e+02	1.0155e+03
	Mean	2.3335e+01	2.3235e+01	3.1854e+02	1.4853e+02	9.8553e+02
	Stdev	2.9145e+01	4.0086e-01	9.0716e+01	6.5214e+01	1.7182e+01
5e5	1^{st}(Best)	3.2847e+00	2.2113e+01	2.0006e+02	3.8948e+01	9.3690e+02
	7th	4.3137e+00	2.2880e+01	2.0231e+02	5.9909e+01	9.4741e+02
	13^{th}(Median)	4.9881e+00	2.3066e+01	4.0005e+02	7.2040e+01	9.5125e+02
	19th	5.5256e+00	2.3517e+01	4.0248e+02	7.9269e+01	9.5495e+02
	25^{th}(Worst)	8.8281e+00	2.3734e+01	4.1135e+02	9.4188e+01	9.6959e+02
	Mean	5.0133e+00	2.3102e+01	3.2659e+02	6.9599e+01	9.5138e+02
	Stdev	1.0821e+00	4.0667e-01	9.5665e+01	1.4465e+01	8.3691e+00

Table B.72 Predicted - Self Adaptive. $l = 50$. f19-23

FE		19	20	21	22	23
1e3	1st(Best)	1.0710e+03	1.0710e+03	1.2157e+03	1.1829e+03	1.2055e+03
	7th	1.1744e+03	1.1744e+03	1.2703e+03	1.2536e+03	1.2489e+03
	13th(Median)	1.1953e+03	1.1953e+03	1.3144e+03	1.3453e+03	1.2966e+03
	19th	1.2564e+03	1.2564e+03	1.3820e+03	1.4303e+03	1.3833e+03
	25th(Worst)	1.4165e+03	1.4165e+03	1.5842e+03	1.7086e+03	1.5218e+03
	Mean	1.2250e+03	1.2250e+03	1.3395e+03	1.3497e+03	1.3228e+03
	Stdev	8.7530e+01	8.7531e+01	9.7259e+01	1.3109e+02	8.4168e+01
1e4	1st(Best)	9.9074e+02	9.9074e+02	6.6198e+02	1.0473e+03	6.3891e+02
	7th	1.0386e+03	1.0386e+03	1.0380e+03	1.0892e+03	9.6363e+02
	13th(Median)	1.0841e+03	1.0835e+03	1.1746e+03	1.1669e+03	1.1819e+03
	19th	1.1516e+03	1.1516e+03	1.2631e+03	1.2194e+03	1.2445e+03
	25th(Worst)	1.2725e+03	1.2725e+03	1.3603e+03	1.4179e+03	1.2830e+03
	Mean	1.1014e+03	1.0983e+03	1.1080e+03	1.1787e+03	1.0712e+03
	Stdev	7.5864e+01	7.5815e+01	2.0211e+02	9.1477e+01	2.1890e+02
1e5	1st(Best)	9.6405e+02	9.5568e+02	5.0162e+02	9.0797e+02	5.3929e+02
	7th	9.8508e+02	9.8110e+02	5.1316e+02	9.6579e+02	5.4842e+02
	13th(Median)	9.9587e+02	9.8571e+02	5.1882e+02	9.7607e+02	5.5684e+02
	19th	1.0048e+03	1.0096e+03	5.2849e+02	9.8993e+02	5.7395e+02
	25th(Worst)	1.0309e+03	1.0451e+03	1.2059e+03	1.0295e+03	7.2503e+02
	Mean	9.9423e+02	9.9358e+02	5.4826e+02	9.7926e+02	5.6922e+02
	Stdev	1.6237e+01	2.2241e+01	1.3468e+02	2.6881e+01	4.2151e+01
5e5	1st(Best)	9.3543e+02	9.3350e+02	5.0000e+02	9.1084e+02	5.3912e+02
	7th	9.4762e+02	9.4925e+02	5.0002e+02	9.2561e+02	5.3915e+02
	13th(Median)	9.5562e+02	9.5197e+02	5.0014e+02	9.3294e+02	5.3917e+02
	19th	9.6004e+02	9.5627e+02	5.0115e+02	9.4229e+02	5.3918e+02
	25th(Worst)	9.6496e+02	9.6518e+02	5.0307e+02	9.6954e+02	5.4143e+02
	Mean	9.5392e+02	9.5270e+02	5.0062e+02	9.3549e+02	5.3937e+02
	Stdev	7.7914e+00	6.9865e+00	8.4371e-01	1.3748e+01	5.0664e-01

Table B.73   Drift - Set Values. $l = 50$. f1-6

FE		1	2	3	5	6
1e3	1^{st}(Best)	9.9598e+03	9.5530e+04	2.3269e+08	2.6231e+04	1.5575e+09
	7th	1.7036e+04	1.1713e+05	3.8243e+08	3.0823e+04	3.0923e+09
	13^{th}(Median)	1.9919e+04	1.3821e+05	4.8165e+08	3.4361e+04	3.5211e+09
	19th	2.5080e+04	1.5658e+05	6.1812e+08	3.7137e+04	5.0793e+09
	25^{th}(Worst)	3.0737e+04	2.6396e+05	8.9734e+08	4.4315e+04	1.1933e+10
	Mean	2.1116e+04	1.4510e+05	5.1568e+08	3.4424e+04	4.4820e+09
	Stdev	5.2007e+03	3.7958e+04	1.7438e+08	4.8021e+03	2.4808e+09
1e4	1^{st}(Best)	5.0694e+02	3.8176e+04	4.9232e+07	1.5650e+04	1.3552e+07
	7th	9.2618e+02	5.7518e+04	1.4607e+08	2.0642e+04	2.6237e+07
	13^{th}(Median)	1.0408e+03	6.7793e+04	1.9316e+08	2.1823e+04	4.0735e+07
	19th	1.3617e+03	8.3078e+04	2.6049e+08	2.3897e+04	7.5032e+07
	25^{th}(Worst)	2.0358e+03	1.3643e+05	3.5709e+08	2.9557e+04	1.9599e+08
	Mean	1.1399e+03	7.0735e+04	2.0264e+08	2.2145e+04	6.2165e+07
	Stdev	3.7740e+02	2.1462e+04	7.3665e+07	2.9412e+03	5.2499e+07
1e5	1^{st}(Best)	2.1780e+00	5.3104e+03	2.8885e+07	8.8705e+03	6.6444e+03
	7th	5.5968e+00	1.2300e+04	4.2415e+07	1.0436e+04	2.3976e+04
	13^{th}(Median)	9.9033e+00	1.3560e+04	5.5270e+07	1.1958e+04	5.2943e+04
	19th	1.7982e+01	1.5874e+04	6.5360e+07	1.2565e+04	8.3361e+04
	25^{th}(Worst)	3.3529e+01	2.4968e+04	8.5257e+07	1.6013e+04	3.0294e+05
	Mean	1.3042e+01	1.4484e+04	5.5419e+07	1.1728e+04	6.7047e+04
	Stdev	9.4027e+00	4.0681e+03	1.5217e+07	1.6851e+03	6.0708e+04
5e5	1^{st}(Best)	8.5133e-09	9.7410e+00	2.7686e+06	5.5214e+03	4.5454e+01
	7th	9.0178e-09	2.7505e+01	4.7805e+06	6.0163e+03	1.5066e+02
	13^{th}(Median)	9.6532e-09	3.3536e+01	6.2342e+06	6.2790e+03	1.9247e+02
	19th	9.8617e-09	5.3092e+01	7.1222e+06	6.8393e+03	8.7790e+02
	25^{th}(Worst)	2.9860e-04	1.5378e+02	1.0076e+07	7.4052e+03	7.2321e+03
	Mean	1.1953e-05	4.2636e+01	6.2007e+06	6.4041e+03	1.1469e+03
	Stdev	5.8511e-05	2.7872e+01	2.0072e+06	5.2579e+02	2.0038e+03

Table B.74   Drift - Set Values. $l = 50$. f8-12

FE		8	9	10	11	12
1e3	1^{st}(Best)	2.1180e+01	2.2774e+02	5.8554e+02	6.2528e+01	8.5000e+05
	7th	2.1328e+01	2.5713e+02	6.8625e+02	6.5320e+01	1.2810e+06
	13^{th}(Median)	2.1357e+01	2.8213e+02	7.5953e+02	6.8231e+01	1.4243e+06
	19th	2.1377e+01	3.0511e+02	8.0676e+02	7.1373e+01	1.6304e+06
	25^{th}(Worst)	2.1385e+01	3.6002e+02	9.6800e+02	7.6050e+01	2.0252e+06
	Mean	2.1345e+01	2.8253e+02	7.6045e+02	6.8424e+01	1.4342e+06
	Stdev	4.4118e-02	3.2274e+01	1.0141e+02	3.6604e+00	2.7770e+05
1e4	1^{st}(Best)	2.1161e+01	7.2396e+01	2.3193e+02	4.9421e+01	3.0331e+05
	7th	2.1249e+01	8.4973e+01	3.0508e+02	5.2006e+01	4.4857e+05
	13^{th}(Median)	2.1261e+01	9.3965e+01	3.1950e+02	5.3491e+01	4.9923e+05
	19th	2.1280e+01	1.0209e+02	3.5925e+02	5.6030e+01	5.2607e+05
	25^{th}(Worst)	2.1306e+01	1.1940e+02	4.8057e+02	6.0565e+01	6.4908e+05
	Mean	2.1256e+01	9.4504e+01	3.4081e+02	5.4257e+01	4.8477e+05
	Stdev	3.4289e-02	1.2558e+01	6.1088e+01	2.9415e+00	8.8629e+04
1e5	1^{st}(Best)	2.1142e+01	2.3200e+01	2.8055e+01	2.7038e+01	5.9281e+04
	7th	2.1179e+01	2.9987e+01	4.1232e+01	3.0349e+01	1.1767e+05
	13^{th}(Median)	2.1205e+01	3.4806e+01	5.4093e+01	3.1941e+01	1.3800e+05
	19th	2.1217e+01	3.9085e+01	6.4682e+01	3.5108e+01	1.7181e+05
	25^{th}(Worst)	2.1253e+01	6.3781e+01	1.0163e+02	3.9588e+01	2.3965e+05
	Mean	2.1197e+01	3.5638e+01	5.7214e+01	3.2574e+01	1.4300e+05
	Stdev	2.7299e-02	8.4928e+00	1.7931e+01	3.3323e+00	4.6447e+04
5e5	1^{st}(Best)	2.0987e+01	1.4924e+01	1.3930e+01	1.3104e+01	1.2179e+04
	7th	2.1083e+01	1.7909e+01	2.5871e+01	1.6938e+01	2.4999e+04
	13^{th}(Median)	2.1124e+01	1.9899e+01	2.5724e+02	1.8865e+01	4.0764e+04
	19th	2.1141e+01	2.3879e+01	2.9066e+02	2.0283e+01	5.1527e+04
	25^{th}(Worst)	2.1196e+01	2.7859e+01	3.0196e+02	2.3299e+01	7.8168e+04
	Mean	2.1110e+01	2.0352e+01	1.9438e+02	1.8689e+01	4.0137e+04
	Stdev	4.8745e-02	3.3337e+00	1.1958e+02	2.6468e+00	1.5987e+04

Table B.75 Drift - Set Values. $l = 50$. f13-18

FE		13	14	15	16	18
1e3	1st(Best)	2.4238e+03	2.3079e+01	5.3766e+02	4.2276e+02	1.0972e+03
	7th	9.3120e+03	2.3668e+01	6.2939e+02	5.0362e+02	1.1059e+03
	13th(Median)	1.4945e+04	2.3816e+01	6.8923e+02	5.3890e+02	1.1500e+03
	19th	3.2323e+04	2.3959e+01	7.4462e+02	5.6931e+02	1.1928e+03
	25th(Worst)	6.4255e+04	2.4111e+01	8.5605e+02	6.4019e+02	1.2760e+03
	Mean	2.1497e+04	2.3798e+01	6.7930e+02	5.3159e+02	1.1581e+03
	Stdev	1.6844e+04	2.2303e-01	8.2970e+01	5.2452e+01	5.2256e+01
1e4	1st(Best)	3.9782e+01	2.2942e+01	1.4048e+02	1.9447e+02	9.8747e+02
	7th	7.0701e+01	2.3358e+01	3.1104e+02	2.5253e+02	1.0670e+03
	13th(Median)	9.3314e+01	2.3584e+01	3.8253e+02	3.0002e+02	1.1007e+03
	19th	1.1208e+02	2.3646e+01	4.1486e+02	3.9581e+02	1.1265e+03
	25th(Worst)	3.6201e+02	2.3802e+01	4.5998e+02	4.5001e+02	1.1820e+03
	Mean	1.1185e+02	2.3493e+01	3.6125e+02	3.2696e+02	1.0949e+03
	Stdev	6.3419e+01	2.0980e-01	7.0861e+01	8.4220e+01	4.2915e+01
1e5	1st(Best)	6.0272e+00	2.2703e+01	2.0474e+02	3.7228e+01	9.6553e+02
	7th	8.0573e+00	2.3092e+01	2.0972e+02	4.6418e+01	9.8393e+02
	13th(Median)	9.2430e+00	2.3218e+01	3.0496e+02	5.8266e+01	9.9622e+02
	19th	1.1384e+01	2.3353e+01	4.0215e+02	1.3477e+02	1.0075e+03
	25th(Worst)	1.4324e+01	2.3483e+01	4.1605e+02	4.1452e+02	1.0417e+03
	Mean	9.7807e+00	2.3206e+01	2.9200e+02	1.1566e+02	9.9582e+02
	Stdev	2.3845e+00	2.0066e-01	8.2934e+01	1.1652e+02	1.6563e+01
5e5	1st(Best)	4.4724e+00	2.2729e+01	2.0000e+02	1.2517e+01	8.8362e+02
	7th	5.2106e+00	2.2904e+01	2.0002e+02	2.3014e+01	9.4466e+02
	13th(Median)	5.6446e+00	2.3056e+01	4.0000e+02	2.9607e+01	9.5081e+02
	19th	6.2135e+00	2.3204e+01	4.0000e+02	2.0608e+02	9.5453e+02
	25th(Worst)	7.8549e+00	2.3420e+01	4.0435e+02	4.0003e+02	9.6245e+02
	Mean	5.7551e+00	2.3052e+01	3.2817e+02	1.1847e+02	9.4795e+02
	Stdev	7.9393e-01	1.8770e-01	8.7416e+01	1.2171e+02	1.4427e+01

Table B.76   Drift - Set Values. $l = 50$. f19-23

FE		19	20	21	22	23
1e3	1st(Best)	1.0969e+03	1.0970e+03	1.1205e+03	1.1318e+03	1.1363e+03
	7th	1.1191e+03	1.1191e+03	1.2357e+03	1.2192e+03	1.2535e+03
	13th(Median)	1.1608e+03	1.1608e+03	1.2636e+03	1.2573e+03	1.2737e+03
	19th	1.1948e+03	1.1948e+03	1.2807e+03	1.3253e+03	1.2969e+03
	25th(Worst)	1.3583e+03	1.2785e+03	1.3844e+03	1.3785e+03	1.3711e+03
	Mean	1.1663e+03	1.1631e+03	1.2532e+03	1.2701e+03	1.2688e+03
	Stdev	5.8600e+01	4.9532e+01	5.2374e+01	6.7857e+01	4.7691e+01
1e4	1st(Best)	1.0093e+03	1.0093e+03	6.2713e+02	1.0251e+03	6.5955e+02
	7th	1.0518e+03	1.0518e+03	8.1123e+02	1.0479e+03	7.9133e+02
	13th(Median)	1.0953e+03	1.0953e+03	1.2367e+03	1.0689e+03	1.2177e+03
	19th	1.1192e+03	1.1192e+03	1.2556e+03	1.0886e+03	1.2573e+03
	25th(Worst)	1.2253e+03	1.2289e+03	1.2780e+03	1.1197e+03	1.2780e+03
	Mean	1.0957e+03	1.0953e+03	1.0642e+03	1.0679e+03	1.0547e+03
	Stdev	4.8742e+01	4.9084e+01	2.4520e+02	2.5976e+01	2.4814e+02
1e5	1st(Best)	9.5364e+02	9.5364e+02	5.0045e+02	9.1262e+02	5.3914e+02
	7th	9.7909e+02	9.7909e+02	5.0111e+02	9.3984e+02	5.3924e+02
	13th(Median)	9.8457e+02	9.8457e+02	5.0146e+02	9.4585e+02	5.3980e+02
	19th	9.9306e+02	9.9644e+02	5.0229e+02	9.5280e+02	5.4344e+02
	25th(Worst)	1.0110e+03	1.0110e+03	1.1991e+03	9.6094e+02	1.2005e+03
	Mean	9.8514e+02	9.8520e+02	6.1233e+02	9.4548e+02	6.6011e+02
	Stdev	1.3065e+01	1.3222e+01	2.5314e+02	1.1652e+01	2.4435e+02
5e5	1st(Best)	8.0000e+02	8.0000e+02	5.0000e+02	8.9121e+02	5.3912e+02
	7th	9.4835e+02	9.4575e+02	5.0000e+02	8.9528e+02	5.3912e+02
	13th(Median)	9.5054e+02	9.5053e+02	5.0000e+02	8.9750e+02	5.3915e+02
	19th	9.5881e+02	9.6047e+02	5.0000e+02	9.0501e+02	5.3917e+02
	25th(Worst)	9.6795e+02	9.6797e+02	1.1770e+03	9.4258e+02	5.3922e+02
	Mean	9.4671e+02	9.4563e+02	5.2708e+02	9.0400e+02	5.3915e+02
	Stdev	3.1308e+01	3.1386e+01	1.3267e+02	1.4861e+01	2.5635e-02

Table B.77 Drift - Self Adaptive. $l = 50$. f1-6

FE		1	2	3	5	6
1e3	1st(Best)	1.8767e+04	1.2129e+05	3.8853e+08	2.6071e+04	1.5720e+09
	7th	2.2851e+04	1.8027e+05	5.3450e+08	3.3540e+04	3.6009e+09
	13th(Median)	2.7671e+04	1.9384e+05	7.3200e+08	3.7289e+04	9.8625e+09
	19th	3.3853e+04	2.3868e+05	9.6122e+08	4.0361e+04	1.5584e+10
	25th(Worst)	1.0364e+05	3.0588e+05	7.3212e+09	4.5741e+04	7.5666e+10
	Mean	3.1803e+04	2.0445e+05	1.0630e+09	3.6866e+04	1.7509e+10
	Stdev	1.6678e+04	4.4906e+04	1.3400e+09	4.9038e+03	2.0918e+10
1e4	1st(Best)	1.1608e+03	4.4265e+04	1.0734e+08	2.2326e+04	1.0156e+07
	7th	1.8737e+03	8.6369e+04	2.2022e+08	2.4420e+04	3.9025e+07
	13th(Median)	2.4791e+03	9.9179e+04	2.7286e+08	2.6303e+04	5.9802e+07
	19th	3.2054e+03	1.1529e+05	3.5442e+08	2.9130e+04	1.2790e+08
	25th(Worst)	1.2742e+04	1.5492e+05	7.1806e+08	3.5352e+04	7.5608e+08
	Mean	3.3266e+03	1.0127e+05	3.0403e+08	2.7405e+04	1.4792e+08
	Stdev	2.5494e+03	2.5826e+04	1.3528e+08	3.5789e+03	2.0305e+08
1e5	1st(Best)	3.5658e+00	1.9180e+04	6.7058e+07	1.4647e+04	8.4161e+03
	7th	2.3797e+01	4.1817e+04	9.8277e+07	1.7242e+04	4.2608e+04
	13th(Median)	3.2128e+01	4.7714e+04	1.0242e+08	1.9566e+04	1.8754e+05
	19th	2.2753e+02	6.0748e+04	1.6094e+08	2.1738e+04	3.8569e+05
	25th(Worst)	1.0045e+03	9.0540e+04	2.4553e+08	2.8030e+04	1.9575e+07
	Mean	1.4413e+02	4.9998e+04	1.2721e+08	1.9691e+04	1.0253e+06
	Stdev	2.0971e+02	1.5613e+04	4.9814e+07	3.1055e+03	3.7959e+06
5e5	1st(Best)	4.1863e-01	1.2877e+04	1.7324e+07	8.8671e+03	8.5552e+02
	7th	1.7898e+00	1.8698e+04	3.5453e+07	1.2523e+04	6.6533e+03
	13th(Median)	8.1303e+00	2.1703e+04	6.5322e+07	1.3806e+04	1.4487e+04
	19th	1.2965e+01	2.7000e+04	1.0359e+08	1.5587e+04	5.8456e+04
	25th(Worst)	8.0359e+01	3.9208e+04	1.5995e+08	2.2023e+04	1.4704e+07
	Mean	1.5170e+01	2.3441e+04	7.2109e+07	1.4034e+04	6.5888e+05
	Stdev	2.0235e+01	7.3798e+03	3.7804e+07	3.0108e+03	2.8698e+06

Table B.78   Drift - Self Adaptive. $l = 50$. f8-12

FE		8	9	10	11	12
	1st(Best)	2.1254e+01	2.4704e+02	6.0258e+02	6.3450e+01	1.1486e+06
	7th	2.1315e+01	3.1010e+02	8.0053e+02	7.1067e+01	1.3682e+06
	13th(Median)	2.1360e+01	3.3430e+02	8.8333e+02	7.3159e+01	1.6916e+06
1e3	19th	2.1393e+01	3.6641e+02	1.0164e+03	7.6182e+01	1.9988e+06
	25th(Worst)	2.1439e+01	8.4785e+02	1.3351e+03	8.1936e+01	8.3821e+06
	Mean	2.1354e+01	3.7043e+02	9.2507e+02	7.3286e+01	2.0777e+06
	Stdev	5.1022e-02	1.2919e+02	1.8137e+02	4.8518e+00	1.4289e+06
	1st(Best)	2.1074e+01	5.1801e+01	2.5422e+02	5.9376e+01	3.4966e+05
	7th	2.1225e+01	7.8022e+01	3.9198e+02	6.5692e+01	4.3324e+05
	13th(Median)	2.1265e+01	8.4829e+01	4.3008e+02	6.8103e+01	5.5352e+05
1e4	19th	2.1293e+01	1.0044e+02	5.5876e+02	7.1916e+01	7.0700e+05
	25th(Worst)	2.1395e+01	2.8830e+02	7.5109e+02	7.8598e+01	1.0429e+06
	Mean	2.1256e+01	1.0600e+02	4.7336e+02	6.8632e+01	6.0059e+05
	Stdev	6.4791e-02	5.4772e+01	1.1868e+02	4.5358e+00	2.0478e+05
	1st(Best)	2.1039e+01	1.1767e+00	1.0737e+02	4.7462e+01	8.5722e+04
	7th	2.1162e+01	5.4206e+00	2.3159e+02	5.7389e+01	1.6919e+05
	13th(Median)	2.1202e+01	9.0294e+00	2.5188e+02	5.9476e+01	2.2989e+05
1e5	19th	2.1235e+01	1.9484e+01	2.8037e+02	6.4950e+01	2.8997e+05
	25th(Worst)	2.1317e+01	6.0336e+01	4.1939e+02	7.3334e+01	3.9441e+05
	Mean	2.1199e+01	1.7351e+01	2.5444e+02	5.9794e+01	2.3853e+05
	Stdev	5.9306e-02	1.7379e+01	5.7499e+01	6.4972e+00	7.2627e+04
	1st(Best)	2.0896e+01	3.3718e-02	4.6650e+01	4.5317e+01	4.1736e+04
	7th	2.1003e+01	3.1774e-01	8.2053e+01	5.3261e+01	8.5905e+04
	13th(Median)	2.1084e+01	1.2903e+00	1.0771e+02	5.6581e+01	1.2007e+05
5e5	19th	2.1128e+01	5.2724e+00	1.4918e+02	6.2655e+01	1.5183e+05
	25th(Worst)	2.1258e+01	2.9529e+01	2.4830e+02	6.6588e+01	2.7843e+05
	Mean	2.1079e+01	4.0083e+00	1.1516e+02	5.6442e+01	1.3003e+05
	Stdev	9.6169e-02	5.9961e+00	5.3681e+01	5.9956e+00	6.6292e+04

Table B.79 Drift - Self Adaptive. $l = 50$. f13-18

FE		13	14	15	16	18
1e3	1st(Best)	6.2680e+02	2.3407e+01	5.5148e+02	3.9900e+02	1.0712e+03
	7th	1.7179e+04	2.3875e+01	6.3811e+02	5.6973e+02	1.1750e+03
	13th(Median)	4.0575e+04	2.3906e+01	6.9767e+02	6.3836e+02	1.2155e+03
	19th	5.9183e+04	2.4024e+01	8.3740e+02	6.9591e+02	1.2565e+03
	25th(Worst)	1.3815e+06	2.4174e+01	9.6191e+02	9.9077e+02	1.4006e+03
	Mean	1.4472e+05	2.3899e+01	7.2755e+02	6.4816e+02	1.2188e+03
	Stdev	3.0245e+05	1.9193e-01	1.1343e+02	1.2646e+02	7.8089e+01
1e4	1st(Best)	6.0980e+01	2.2547e+01	3.1077e+02	2.5214e+02	9.9805e+02
	7th	9.3529e+01	2.3176e+01	4.0349e+02	3.2571e+02	1.0613e+03
	13th(Median)	1.6755e+02	2.3330e+01	4.6175e+02	3.9380e+02	1.0775e+03
	19th	5.0838e+02	2.3539e+01	4.7718e+02	4.4930e+02	1.1090e+03
	25th(Worst)	1.1629e+04	2.4036e+01	5.9797e+02	6.3051e+02	1.2690e+03
	Mean	7.2418e+02	2.3321e+01	4.5695e+02	4.0297e+02	1.0884e+03
	Stdev	2.2378e+03	3.3249e-01	6.4958e+01	1.0545e+02	5.2626e+01
1e5	1st(Best)	6.9955e+00	2.1598e+01	2.2192e+02	1.2111e+02	9.7236e+02
	7th	9.7307e+00	2.2412e+01	2.4264e+02	1.8698e+02	1.0182e+03
	13th(Median)	1.2606e+01	2.2896e+01	2.6991e+02	2.1254e+02	1.0450e+03
	19th	1.6454e+01	2.3298e+01	4.1927e+02	2.8944e+02	1.0784e+03
	25th(Worst)	3.8241e+01	2.3642e+01	4.4963e+02	4.2022e+02	1.1224e+03
	Mean	1.4408e+01	2.2833e+01	3.2159e+02	2.3893e+02	1.0465e+03
	Stdev	6.5280e+00	5.3812e-01	8.6328e+01	9.2255e+01	4.0587e+01
5e5	1st(Best)	3.4028e+00	2.0798e+01	2.0413e+02	4.7170e+01	9.8074e+02
	7th	5.9241e+00	2.1965e+01	2.1254e+02	7.1717e+01	9.9178e+02
	13th(Median)	7.0572e+00	2.2297e+01	4.0018e+02	8.3299e+01	1.0070e+03
	19th	8.3354e+00	2.2536e+01	4.0307e+02	1.1365e+02	1.0255e+03
	25th(Worst)	2.3264e+01	2.3224e+01	4.1001e+02	4.0208e+02	1.0492e+03
	Mean	7.8565e+00	2.2288e+01	3.2660e+02	1.0700e+02	1.0099e+03
	Stdev	3.7230e+00	5.6039e-01	9.1073e+01	6.9552e+01	2.1157e+01

Table B.80   Drift - Self Adaptive. $l = 50$. f19-23

FE		19	20	21	22	23
1e3	1st(Best)	1.0710e+03	1.0710e+03	1.2157e+03	1.1829e+03	1.2055e+03
	7th	1.1744e+03	1.1744e+03	1.2703e+03	1.2536e+03	1.2489e+03
	13th(Median)	1.1953e+03	1.1953e+03	1.3144e+03	1.3453e+03	1.2966e+03
	19th	1.2564e+03	1.2564e+03	1.3820e+03	1.4303e+03	1.3833e+03
	25th(Worst)	1.4165e+03	1.4165e+03	1.5842e+03	1.7086e+03	1.5218e+03
	Mean	1.2250e+03	1.2250e+03	1.3395e+03	1.3497e+03	1.3228e+03
	Stdev	8.7530e+01	8.7531e+01	9.7259e+01	1.3109e+02	8.4168e+01
1e4	1st(Best)	1.0070e+03	1.0070e+03	7.0458e+02	1.0411e+03	7.0650e+02
	7th	1.0408e+03	1.0408e+03	1.1013e+03	1.1090e+03	8.4380e+02
	13th(Median)	1.0953e+03	1.1000e+03	1.1481e+03	1.1304e+03	1.1272e+03
	19th	1.1472e+03	1.1472e+03	1.2442e+03	1.1655e+03	1.2287e+03
	25th(Worst)	1.2304e+03	1.2304e+03	1.3183e+03	1.3524e+03	1.3496e+03
	Mean	1.0963e+03	1.0979e+03	1.1111e+03	1.1437e+03	1.0577e+03
	Stdev	6.2961e+01	6.2931e+01	1.7732e+02	6.6899e+01	1.9981e+02
1e5	1st(Best)	9.7438e+02	9.7438e+02	5.0042e+02	9.4528e+02	5.3915e+02
	7th	1.0254e+03	1.0254e+03	5.0284e+02	9.9063e+02	5.3960e+02
	13th(Median)	1.0441e+03	1.0440e+03	5.0512e+02	1.0261e+03	5.4771e+02
	19th	1.0714e+03	1.0710e+03	5.1966e+02	1.0843e+03	5.7433e+02
	25th(Worst)	1.1214e+03	1.1214e+03	1.1927e+03	1.2105e+03	1.2273e+03
	Mean	1.0502e+03	1.0499e+03	6.0331e+02	1.0386e+03	6.7886e+02
	Stdev	3.3338e+01	3.3226e+01	2.1577e+02	5.8645e+01	2.6214e+02
5e5	1st(Best)	9.6882e+02	9.6882e+02	5.0001e+02	9.1072e+02	5.3913e+02
	7th	9.9210e+02	9.9064e+02	5.0023e+02	9.4248e+02	5.3918e+02
	13th(Median)	1.0041e+03	1.0030e+03	5.0061e+02	9.6622e+02	5.3925e+02
	19th	1.0177e+03	1.0131e+03	5.0223e+02	9.8963e+02	5.3943e+02
	25th(Worst)	1.0401e+03	1.0401e+03	1.1957e+03	1.0666e+03	1.1906e+03
	Mean	1.0050e+03	1.0010e+03	5.3003e+02	9.6955e+02	5.6543e+02
	Stdev	1.7807e+01	1.7949e+01	1.3596e+02	3.5066e+01	1.2760e+02

Table B.81 Parameterless - Set Values. $l = 50$. f1-6

FE		1	2	3	5	6
1e3	1st(Best)	1.4111e+04	7.6134e+04	3.6187e+08	2.2602e+04	2.1203e+09
	7th	2.1240e+04	1.0315e+05	4.8461e+08	2.6601e+04	3.3806e+09
	13th(Median)	2.3505e+04	1.1304e+05	5.5814e+08	3.1736e+04	4.0822e+09
	19th	2.6331e+04	1.3551e+05	6.0131e+08	3.3379e+04	5.4706e+09
	25th(Worst)	3.3904e+04	1.7712e+05	8.4650e+08	3.8824e+04	8.5145e+09
	Mean	2.3605e+04	1.1883e+05	5.6092e+08	3.0353e+04	4.4406e+09
	Stdev	5.2593e+03	2.5102e+04	1.3062e+08	4.7483e+03	1.7526e+09
1e4	1st(Best)	1.6225e+03	3.4963e+04	1.4207e+08	1.3122e+04	1.7153e+07
	7th	2.1726e+03	4.4065e+04	1.8784e+08	1.6065e+04	4.3099e+07
	13th(Median)	2.6051e+03	6.1046e+04	2.2847e+08	1.8579e+04	5.1454e+07
	19th	3.0620e+03	6.5352e+04	2.5109e+08	1.9951e+04	6.5965e+07
	25th(Worst)	3.8594e+03	8.7114e+04	3.7424e+08	2.5966e+04	1.5514e+08
	Mean	2.6454e+03	5.7521e+04	2.2892e+08	1.8444e+04	5.6940e+07
	Stdev	6.2239e+02	1.2818e+04	5.7789e+07	3.2359e+03	2.7483e+07
1e5	1st(Best)	2.3791e+02	1.7987e+04	5.9920e+07	1.0235e+04	5.7890e+05
	7th	3.6161e+02	2.4726e+04	1.1152e+08	1.2350e+04	1.1664e+06
	13th(Median)	4.1957e+02	2.7885e+04	1.2848e+08	1.5317e+04	1.9795e+06
	19th	4.7670e+02	3.3932e+04	1.5174e+08	1.6369e+04	2.9294e+06
	25th(Worst)	7.5818e+02	4.6546e+04	2.1859e+08	2.1389e+04	7.2053e+06
	Mean	4.3812e+02	2.9470e+04	1.3343e+08	1.4743e+04	2.3197e+06
	Stdev	1.2351e+02	6.8525e+03	4.0990e+07	2.5834e+03	1.4495e+06
5e5	1st(Best)	6.8326e+01	1.4427e+04	4.1954e+07	9.6984e+03	4.8670e+04
	7th	9.9474e+01	1.8172e+04	8.0176e+07	1.1919e+04	1.0408e+05
	13th(Median)	1.1476e+02	2.0225e+04	9.8852e+07	1.3076e+04	1.3513e+05
	19th	1.3438e+02	2.3124e+04	1.0975e+08	1.4708e+04	2.3051e+05
	25th(Worst)	1.8187e+02	3.0659e+04	1.6561e+08	1.7518e+04	5.3328e+05
	Mean	1.1787e+02	2.0456e+04	1.0230e+08	1.3222e+04	1.9317e+05
	Stdev	3.0213e+01	3.6933e+03	3.1386e+07	2.0661e+03	1.2802e+05

Table B.82   Parameterless - Set Values. $l = 50$. f8-12

FE		8	9	10	11	12
1e3	1st(Best)	2.1285e+01	2.8596e+02	6.0335e+02	6.3204e+01	1.0859e+06
	7th	2.1304e+01	3.2664e+02	6.6502e+02	7.0355e+01	1.4733e+06
	13th(Median)	2.1334e+01	3.4185e+02	7.1686e+02	7.2929e+01	1.6225e+06
	19th	2.1357e+01	3.6275e+02	7.6673e+02	7.6152e+01	1.7810e+06
	25th(Worst)	2.1403e+01	4.2347e+02	8.0549e+02	7.7913e+01	2.3780e+06
	Mean	2.1337e+01	3.4492e+02	7.1468e+02	7.2794e+01	1.6389e+06
	Stdev	3.4671e-02	2.9642e+01	6.0472e+01	3.7411e+00	3.0093e+05
1e4	1st(Best)	2.1202e+01	1.0025e+02	4.3530e+02	5.8869e+01	3.4124e+05
	7th	2.1259e+01	1.2205e+02	4.8362e+02	6.2765e+01	4.1668e+05
	13th(Median)	2.1265e+01	1.2874e+02	5.0452e+02	6.3678e+01	4.7929e+05
	19th	2.1282e+01	1.4237e+02	5.2848e+02	6.6044e+01	5.6006e+05
	25th(Worst)	2.1312e+01	1.7064e+02	5.8044e+02	7.1040e+01	7.1964e+05
	Mean	2.1265e+01	1.3098e+02	5.0567e+02	6.4358e+01	4.9773e+05
	Stdev	2.6654e-02	1.8482e+01	3.6335e+01	2.6889e+00	9.6902e+04
1e5	1st(Best)	2.1083e+01	3.9393e+01	3.0714e+02	5.3835e+01	1.2573e+05
	7th	2.1181e+01	4.3945e+01	3.4012e+02	5.7988e+01	2.0379e+05
	13th(Median)	2.1197e+01	4.7411e+01	3.7181e+02	6.0694e+01	2.3969e+05
	19th	2.1209e+01	5.3405e+01	3.9062e+02	6.2371e+01	3.1308e+05
	25th(Worst)	2.1241e+01	6.7576e+01	4.2570e+02	6.5196e+01	3.8896e+05
	Mean	2.1185e+01	4.9211e+01	3.6685e+02	6.0232e+01	2.4961e+05
	Stdev	3.5898e-02	6.4371e+00	3.5871e+01	2.6317e+00	6.3385e+04
5e5	1st(Best)	2.0978e+01	1.8761e+01	1.9033e+02	4.9790e+01	9.0424e+04
	7th	2.1123e+01	2.2531e+01	2.7293e+02	5.6998e+01	1.2908e+05
	13th(Median)	2.1149e+01	2.4081e+01	2.8498e+02	5.9986e+01	1.6459e+05
	19th	2.1166e+01	2.6382e+01	3.2308e+02	6.0865e+01	1.9671e+05
	25th(Worst)	2.1197e+01	3.3022e+01	3.6683e+02	6.4821e+01	3.2547e+05
	Mean	2.1136e+01	2.4359e+01	2.9486e+02	5.9039e+01	1.7309e+05
	Stdev	4.5686e-02	3.2440e+00	3.9937e+01	3.3578e+00	5.6882e+04

Table B.83   Parameterless - Set Values. $l = 50$. f13-18

FE		13	14	15	16	18
1e3	1st(Best)	4.9711e+03	2.3515e+01	5.2718e+02	4.2610e+02	1.0660e+03
	7th	1.2524e+04	2.3772e+01	5.8983e+02	4.7039e+02	1.0948e+03
	13th(Median)	1.6659e+04	2.3902e+01	6.8634e+02	5.0208e+02	1.1207e+03
	19th	2.6918e+04	2.4004e+01	7.6930e+02	5.2960e+02	1.1330e+03
	25th(Worst)	3.9716e+04	2.4189e+01	8.2804e+02	6.7401e+02	1.2721e+03
	Mean	1.9155e+04	2.3875e+01	6.9281e+02	5.1058e+02	1.1231e+03
	Stdev	9.5446e+03	1.6950e-01	9.0495e+01	6.6638e+01	4.1736e+01
1e4	1st(Best)	5.2195e+01	2.2353e+01	2.1729e+02	3.0243e+02	9.7346e+02
	7th	8.0516e+01	2.3339e+01	4.2439e+02	3.3485e+02	9.9339e+02
	13th(Median)	9.6446e+01	2.3480e+01	4.6635e+02	3.5261e+02	1.0002e+03
	19th	1.1407e+02	2.3554e+01	5.2644e+02	4.4687e+02	1.0157e+03
	25th(Worst)	1.9626e+02	2.3752e+01	5.7741e+02	5.4917e+02	1.0603e+03
	Mean	9.8907e+01	2.3405e+01	4.4873e+02	3.9670e+02	1.0058e+03
	Stdev	3.3000e+01	2.8201e-01	1.0410e+02	7.5914e+01	2.0858e+01
1e5	1st(Best)	1.7839e+01	2.2312e+01	8.1556e+01	2.2400e+02	9.5105e+02
	7th	2.3211e+01	2.2907e+01	3.3597e+02	2.6768e+02	9.6138e+02
	13th(Median)	2.5674e+01	2.3058e+01	4.1696e+02	3.0190e+02	9.7029e+02
	19th	2.7311e+01	2.3266e+01	4.4703e+02	4.2840e+02	9.8313e+02
	25th(Worst)	3.2123e+01	2.3453e+01	5.5003e+02	5.2657e+02	1.0153e+03
	Mean	2.5619e+01	2.3016e+01	3.6105e+02	3.3778e+02	9.7453e+02
	Stdev	3.5297e+00	3.0288e-01	1.2411e+02	9.6443e+01	1.7728e+01
5e5	1st(Best)	1.0402e+01	2.2024e+01	4.1224e+01	1.7669e+02	9.4600e+02
	7th	1.2392e+01	2.2654e+01	2.8657e+02	2.1233e+02	9.5881e+02
	13th(Median)	1.4047e+01	2.2941e+01	3.8276e+02	2.5858e+02	9.6776e+02
	19th	1.5941e+01	2.2992e+01	4.0667e+02	4.2325e+02	9.7937e+02
	25th(Worst)	2.0003e+01	2.3276e+01	5.4147e+02	5.2178e+02	1.0088e+03
	Mean	1.4229e+01	2.2797e+01	3.2430e+02	3.0391e+02	9.7007e+02
	Stdev	2.5460e+00	2.9387e-01	1.3338e+02	1.1416e+02	1.6932e+01

Table B.84 Parameterless - Set Values. $l = 50$. f19-23

FE		19	20	21	22	23
1e3	1st(Best)	1.0749e+03	1.0749e+03	1.1609e+03	1.1407e+03	1.1675e+03
	7th	1.1020e+03	1.1020e+03	1.2245e+03	1.1875e+03	1.2154e+03
	13th(Median)	1.1234e+03	1.1234e+03	1.2474e+03	1.2130e+03	1.2530e+03
	19th	1.1512e+03	1.1512e+03	1.2676e+03	1.2512e+03	1.2696e+03
	25th(Worst)	1.2255e+03	1.2255e+03	1.3077e+03	1.3793e+03	1.2960e+03
	Mean	1.1278e+03	1.1278e+03	1.2461e+03	1.2259e+03	1.2450e+03
	Stdev	3.5290e+01	3.5291e+01	3.6614e+01	5.8819e+01	3.4503e+01
1e4	1st(Best)	9.7500e+02	9.7500e+02	6.9589e+02	1.0391e+03	6.9809e+02
	7th	9.9015e+02	9.9015e+02	7.3439e+02	1.0583e+03	7.4215e+02
	13th(Median)	1.0017e+03	1.0017e+03	7.8709e+02	1.0813e+03	7.5526e+02
	19th	1.0316e+03	1.0316e+03	8.6481e+02	1.1008e+03	8.7741e+02
	25th(Worst)	1.0606e+03	1.0606e+03	1.2497e+03	1.1370e+03	1.2333e+03
	Mean	1.0083e+03	1.0083e+03	8.4097e+02	1.0819e+03	8.1864e+02
	Stdev	2.3833e+01	2.3833e+01	1.5887e+02	2.7041e+01	1.3584e+02
1e5	1st(Best)	9.5570e+02	9.5570e+02	5.3386e+02	1.0113e+03	5.5716e+02
	7th	9.6683e+02	9.6683e+02	5.4316e+02	1.0176e+03	5.6275e+02
	13th(Median)	9.8068e+02	9.7620e+02	5.4903e+02	1.0299e+03	5.7052e+02
	19th	9.8445e+02	9.8445e+02	5.6189e+02	1.0421e+03	5.7816e+02
	25th(Worst)	1.0285e+03	1.0285e+03	1.2236e+03	1.0665e+03	9.5133e+02
	Mean	9.7842e+02	9.7776e+02	6.5492e+02	1.0312e+03	6.2674e+02
	Stdev	1.5969e+01	1.6042e+01	2.0139e+02	1.4628e+01	1.3445e+02
5e5	1st(Best)	9.5076e+02	9.5076e+02	5.0686e+02	9.7953e+02	5.3978e+02
	7th	9.5850e+02	9.5850e+02	5.1118e+02	1.0045e+03	5.4093e+02
	13th(Median)	9.7398e+02	9.7347e+02	5.1319e+02	1.0151e+03	5.4167e+02
	19th	9.8027e+02	9.7984e+02	5.1923e+02	1.0256e+03	5.4598e+02
	25th(Worst)	9.9800e+02	1.0137e+03	1.2218e+03	1.0443e+03	9.1004e+02
	Mean	9.7030e+02	9.7149e+02	6.2279e+02	1.0155e+03	5.9866e+02
	Stdev	1.3426e+01	1.5576e+01	2.0688e+02	1.6958e+01	1.2949e+02

Table B.85 Parameterless - Self Adaptive. $l = 50$. f1-6

FE		1	2	3	5	6
1e3	1st(Best)	1.8767e+04	1.2129e+05	3.8853e+08	2.6071e+04	1.5720e+09
	7th	2.2851e+04	1.8027e+05	5.3450e+08	3.3540e+04	3.6009e+09
	13th(Median)	2.7671e+04	1.9384e+05	7.3200e+08	3.7289e+04	9.8625e+09
	19th	3.3853e+04	2.3868e+05	9.6122e+08	4.0361e+04	1.5584e+10
	25th(Worst)	1.0364e+05	3.0588e+05	7.3212e+09	4.5741e+04	7.5666e+10
	Mean	3.1803e+04	2.0445e+05	1.0630e+09	3.6866e+04	1.7509e+10
	Stdev	1.6678e+04	4.4906e+04	1.3400e+09	4.9038e+03	2.0918e+10
1e4	1st(Best)	1.3082e+02	7.0111e+04	1.1150e+08	2.1427e+04	6.5824e+05
	7th	4.5975e+02	1.0043e+05	2.0488e+08	2.9045e+04	3.9083e+06
	13th(Median)	8.6244e+02	1.2507e+05	2.6556e+08	3.3134e+04	1.1753e+07
	19th	1.3315e+03	1.4705e+05	3.8245e+08	3.5539e+04	2.7213e+07
	25th(Worst)	7.5339e+03	1.8714e+05	5.3959e+08	4.1966e+04	2.1939e+08
	Mean	1.3472e+03	1.2434e+05	2.9415e+08	3.2594e+04	3.1290e+07
	Stdev	1.6651e+03	2.8867e+04	1.1939e+08	4.9991e+03	5.5205e+07
1e5	1st(Best)	1.2827e+00	3.8893e+04	5.7424e+07	2.0634e+04	2.2341e+03
	7th	8.1646e+00	6.9787e+04	9.3954e+07	2.6414e+04	1.3209e+04
	13th(Median)	1.6716e+01	7.6927e+04	1.2005e+08	3.1025e+04	3.9388e+04
	19th	3.8433e+01	9.4265e+04	1.6753e+08	3.4561e+04	5.9046e+04
	25th(Worst)	8.3409e+01	1.3903e+05	2.9668e+08	3.9630e+04	2.0300e+07
	Mean	2.6728e+01	7.9679e+04	1.3651e+08	3.0464e+04	1.2551e+06
	Stdev	2.4186e+01	2.2664e+04	5.8791e+07	4.9740e+03	4.2415e+06
5e5	1st(Best)	2.3179e-02	2.1456e+04	2.6987e+07	1.4311e+04	3.2550e+02
	7th	5.1238e-01	2.8172e+04	4.9138e+07	1.8104e+04	6.8875e+02
	13th(Median)	1.6404e+00	3.3347e+04	5.8918e+07	2.0239e+04	1.6977e+03
	19th	6.0446e+00	4.2309e+04	9.5146e+07	2.3779e+04	7.3085e+03
	25th(Worst)	1.0325e+01	5.8704e+04	1.5949e+08	3.8947e+04	1.4370e+05
	Mean	2.8459e+00	3.5778e+04	7.4035e+07	2.1236e+04	9.4983e+03
	Stdev	3.0448e+00	1.0341e+04	3.5138e+07	5.2453e+03	2.7722e+04

Table B.86   Parameterless - Self Adaptive. $l = 50$. f8-12

FE		8	9	10	11	12
1e3	1st(Best)	2.1254e+01	2.4704e+02	6.0258e+02	6.3450e+01	1.1486e+06
	7th	2.1315e+01	3.1010e+02	8.0053e+02	7.1067e+01	1.3682e+06
	13th(Median)	2.1360e+01	3.3430e+02	8.8333e+02	7.3159e+01	1.6916e+06
	19th	2.1393e+01	3.6641e+02	1.0164e+03	7.6182e+01	1.9988e+06
	25th(Worst)	2.1439e+01	8.4785e+02	1.3351e+03	8.1936e+01	8.3821e+06
	Mean	2.1354e+01	3.7043e+02	9.2507e+02	7.3286e+01	2.0777e+06
	Stdev	5.1022e-02	1.2919e+02	1.8137e+02	4.8518e+00	1.4289e+06
1e4	1st(Best)	2.1156e+01	3.0022e+01	3.2379e+02	5.9439e+01	1.7063e+05
	7th	2.1230e+01	4.0751e+01	6.0574e+02	6.5481e+01	3.3403e+05
	13th(Median)	2.1265e+01	6.0309e+01	6.5903e+02	6.6990e+01	5.1249e+05
	19th	2.1285e+01	9.6223e+01	8.5424e+02	7.2315e+01	7.6071e+05
	25th(Worst)	2.1387e+01	1.8189e+02	1.0453e+03	7.6133e+01	1.7731e+06
	Mean	2.1262e+01	7.3745e+01	7.1539e+02	6.8014e+01	6.3321e+05
	Stdev	5.1700e-02	4.2901e+01	1.7515e+02	4.5476e+00	4.3316e+05
1e5	1st(Best)	2.1052e+01	3.2858e+00	2.4117e+02	5.6590e+01	9.2411e+04
	7th	2.1148e+01	4.9760e+00	4.1423e+02	6.2966e+01	1.4521e+05
	13th(Median)	2.1186e+01	9.8715e+00	5.3370e+02	6.4061e+01	1.7580e+05
	19th	2.1215e+01	1.5158e+01	6.7144e+02	6.7149e+01	2.2256e+05
	25th(Worst)	2.1328e+01	7.7529e+01	8.9548e+02	7.3818e+01	4.6924e+05
	Mean	2.1187e+01	1.3501e+01	5.4718e+02	6.5103e+01	2.1030e+05
	Stdev	6.2781e-02	1.5111e+01	1.7489e+02	4.7804e+00	1.0562e+05
5e5	1st(Best)	2.0777e+01	5.7823e-03	1.0735e+02	4.3973e+01	6.2593e+04
	7th	2.1089e+01	1.3129e-01	2.2708e+02	5.5974e+01	8.3246e+04
	13th(Median)	2.1137e+01	4.8727e-01	2.9212e+02	5.7560e+01	1.2071e+05
	19th	2.1169e+01	2.0110e+00	3.7015e+02	6.1451e+01	1.6456e+05
	25th(Worst)	2.1198e+01	1.3065e+01	5.1137e+02	6.7927e+01	3.3927e+05
	Mean	2.1110e+01	2.0436e+00	2.9741e+02	5.8369e+01	1.3180e+05
	Stdev	8.8063e-02	3.2039e+00	1.1254e+02	5.2959e+00	6.8897e+04

Table B.87 Parameterless - Self Adaptive. $l = 50$. f13-18

FE		13	14	15	16	18
1e3	1st(Best)	6.2680e+02	2.3407e+01	5.5148e+02	3.9900e+02	1.0712e+03
	7th	1.7179e+04	2.3875e+01	6.3811e+02	5.6973e+02	1.1750e+03
	13th(Median)	4.0575e+04	2.3906e+01	6.9767e+02	6.3836e+02	1.2155e+03
	19th	5.9183e+04	2.4024e+01	8.3740e+02	6.9591e+02	1.2565e+03
	25th(Worst)	1.3815e+06	2.4174e+01	9.6191e+02	9.9077e+02	1.4006e+03
	Mean	1.4472e+05	2.3899e+01	7.2755e+02	6.4816e+02	1.2188e+03
	Stdev	3.0245e+05	1.9193e-01	1.1343e+02	1.2646e+02	7.8089e+01
1e4	1st(Best)	1.6911e+01	2.2184e+01	1.5420e+02	3.4892e+02	9.9142e+02
	7th	3.1508e+01	2.3163e+01	3.4581e+02	4.4408e+02	1.0734e+03
	13th(Median)	5.5213e+01	2.3419e+01	4.4787e+02	5.1194e+02	1.1244e+03
	19th	1.5605e+02	2.3595e+01	4.7733e+02	5.6426e+02	1.1748e+03
	25th(Worst)	8.9886e+02	2.4072e+01	9.0589e+02	7.3827e+02	1.2951e+03
	Mean	1.4473e+02	2.3399e+01	4.3539e+02	5.0631e+02	1.1254e+03
	Stdev	2.1483e+02	3.8353e-01	1.5094e+02	9.1634e+01	7.4404e+01
1e5	1st(Best)	4.0948e+00	2.2139e+01	2.6405e+01	2.0146e+02	9.7671e+02
	7th	7.4956e+00	2.2851e+01	2.4124e+02	3.9596e+02	1.0515e+03
	13th(Median)	9.7510e+00	2.3040e+01	3.0072e+02	4.1891e+02	1.1070e+03
	19th	1.3820e+01	2.3236e+01	4.0732e+02	4.7299e+02	1.1557e+03
	25th(Worst)	5.7064e+01	2.3650e+01	9.0049e+02	6.6811e+02	1.2423e+03
	Mean	1.2841e+01	2.3033e+01	3.4207e+02	4.2809e+02	1.1067e+03
	Stdev	1.0349e+01	3.4061e-01	1.8014e+02	9.2620e+01	6.5153e+01
5e5	1st(Best)	2.5296e+00	2.1417e+01	8.8400e-02	1.2792e+02	9.5889e+02
	7th	4.0853e+00	2.2516e+01	2.1636e+02	2.0632e+02	1.0252e+03
	13th(Median)	5.6846e+00	2.2786e+01	2.4099e+02	3.0631e+02	1.0580e+03
	19th	7.3346e+00	2.2936e+01	4.0058e+02	3.9942e+02	1.0907e+03
	25th(Worst)	1.6824e+01	2.3372e+01	9.0001e+02	5.0379e+02	1.1906e+03
	Mean	6.5210e+00	2.2673e+01	3.1569e+02	3.0600e+02	1.0619e+03
	Stdev	3.3758e+00	4.1852e-01	1.8687e+02	1.0396e+02	4.9778e+01

Table B.88   Parameterless - Self Adaptive. $l = 50$. f19-23

FE		19	20	21	22	23
1e3	1st(Best)	1.0710e+03	1.0710e+03	1.2157e+03	1.1829e+03	1.2055e+03
	7th	1.1744e+03	1.1744e+03	1.2703e+03	1.2536e+03	1.2489e+03
	13th(Median)	1.1953e+03	1.1953e+03	1.3144e+03	1.3453e+03	1.2966e+03
	19th	1.2564e+03	1.2564e+03	1.3820e+03	1.4303e+03	1.3833e+03
	25th(Worst)	1.4165e+03	1.4165e+03	1.5842e+03	1.7086e+03	1.5218e+03
	Mean	1.2250e+03	1.2250e+03	1.3395e+03	1.3497e+03	1.3228e+03
	Stdev	8.7530e+01	8.7531e+01	9.7259e+01	1.3109e+02	8.4168e+01
1e4	1st(Best)	9.8998e+02	9.8998e+02	5.5158e+02	1.0569e+03	5.6915e+02
	7th	1.0852e+03	1.0852e+03	7.5751e+02	1.1390e+03	1.0769e+03
	13th(Median)	1.1451e+03	1.1451e+03	1.2126e+03	1.1646e+03	1.1049e+03
	19th	1.1659e+03	1.1659e+03	1.2550e+03	1.2787e+03	1.2310e+03
	25th(Worst)	1.3143e+03	1.3143e+03	1.2868e+03	1.3910e+03	1.2952e+03
	Mean	1.1354e+03	1.1367e+03	1.0525e+03	1.2040e+03	1.0702e+03
	Stdev	8.7113e+01	8.6611e+01	2.7160e+02	9.7715e+01	2.0001e+02
1e5	1st(Best)	9.7614e+02	9.7591e+02	5.0071e+02	1.0007e+03	5.3917e+02
	7th	1.0564e+03	1.0563e+03	5.0381e+02	1.1022e+03	5.4027e+02
	13th(Median)	1.1135e+03	1.1004e+03	1.1194e+03	1.1248e+03	5.5161e+02
	19th	1.1447e+03	1.1430e+03	1.2366e+03	1.2405e+03	1.0811e+03
	25th(Worst)	1.2620e+03	1.2483e+03	1.2756e+03	1.3182e+03	1.2446e+03
	Mean	1.1055e+03	1.1013e+03	9.1111e+02	1.1524e+03	7.7971e+02
	Stdev	6.8160e+01	7.0586e+01	3.4140e+02	8.5407e+01	2.9479e+02
5e5	1st(Best)	9.7538e+02	9.6603e+02	5.0007e+02	9.6209e+02	5.3912e+02
	7th	1.0309e+03	1.0257e+03	5.0023e+02	9.9428e+02	5.3914e+02
	13th(Median)	1.0500e+03	1.0614e+03	8.0758e+02	1.0035e+03	5.3917e+02
	19th	1.1038e+03	1.0968e+03	1.2233e+03	1.0351e+03	1.0639e+03
	25th(Worst)	1.1535e+03	1.1594e+03	1.2420e+03	1.1230e+03	1.2352e+03
	Mean	1.0623e+03	1.0632e+03	8.5089e+02	1.0172e+03	7.3118e+02
	Stdev	4.8709e+01	5.1843e+01	3.4576e+02	3.5417e+01	2.8296e+02

Table B.89   Typical - Set Values. $l = 50$. f1-6

FE		1	2	3	5	6
1e3	1^{st}(Best)	7.1765e+04	1.2649e+05	1.1102e+09	3.2878e+04	2.2009e+10
	7th	8.9871e+04	1.6385e+05	2.0907e+09	3.6964e+04	3.8635e+10
	13^{th}(Median)	9.7694e+04	1.9648e+05	2.3457e+09	3.9264e+04	4.3313e+10
	19th	1.0101e+05	2.0757e+05	2.8433e+09	4.0177e+04	4.8367e+10
	25^{th}(Worst)	1.2201e+05	2.5341e+05	3.6714e+09	4.2906e+04	6.1312e+10
	Mean	9.6066e+04	1.9071e+05	2.4556e+09	3.8669e+04	4.3085e+10
	Stdev	1.1736e+04	3.1313e+04	5.5673e+08	2.5441e+03	8.6959e+09
1e4	1^{st}(Best)	8.0624e+03	5.7801e+04	3.1398e+08	1.5846e+04	6.7080e+08
	7th	9.7195e+03	7.0054e+04	3.3231e+08	1.7034e+04	1.0791e+09
	13^{th}(Median)	1.0449e+04	7.7902e+04	3.9556e+08	1.8322e+04	1.3866e+09
	19th	1.1368e+04	8.3936e+04	4.7992e+08	1.8829e+04	1.5415e+09
	25^{th}(Worst)	1.4141e+04	9.7758e+04	6.1893e+08	2.0189e+04	2.1254e+09
	Mean	1.0562e+04	7.7110e+04	4.1813e+08	1.8092e+04	1.3572e+09
	Stdev	1.4420e+03	1.0269e+04	8.9100e+07	1.3210e+03	3.2194e+08
1e5	1^{st}(Best)	3.0578e+03	3.3038e+04	9.9321e+07	9.0158e+03	1.0166e+08
	7th	3.5251e+03	3.8806e+04	1.5358e+08	1.1656e+04	1.5030e+08
	13^{th}(Median)	4.0990e+03	4.3234e+04	1.7761e+08	1.2355e+04	1.8127e+08
	19th	4.5310e+03	4.8604e+04	1.9923e+08	1.2821e+04	2.3171e+08
	25^{th}(Worst)	5.0591e+03	5.8683e+04	2.9886e+08	1.4230e+04	2.7590e+08
	Mean	4.0601e+03	4.3906e+04	1.8101e+08	1.2186e+04	1.8832e+08
	Stdev	5.6362e+02	6.8701e+03	4.2192e+07	1.0513e+03	4.9175e+07
5e5	1^{st}(Best)	8.5780e+02	1.8946e+04	5.3651e+07	7.2930e+03	7.4663e+06
	7th	1.1918e+03	2.6319e+04	8.7544e+07	9.6362e+03	1.6518e+07
	13^{th}(Median)	1.2810e+03	2.7490e+04	1.0910e+08	1.0575e+04	2.4411e+07
	19th	1.6313e+03	3.0999e+04	1.2133e+08	1.1307e+04	3.0337e+07
	25^{th}(Worst)	2.0803e+03	4.1078e+04	1.5268e+08	1.3056e+04	3.7600e+07
	Mean	1.3677e+03	2.8424e+04	1.0623e+08	1.0552e+04	2.3414e+07
	Stdev	2.8769e+02	4.4870e+03	2.6152e+07	1.4058e+03	8.2071e+06

Table B.90   Typical - Set Values. $l = 50$. f8-12

FE		8	9	10	11	12
1e3	1^{st}(Best)	2.1224e+01	6.1017e+02	8.9691e+02	7.7120e+01	3.5629e+06
	7th	2.1302e+01	6.6733e+02	1.0106e+03	8.0676e+01	4.8779e+06
	13^{th}(Median)	2.1350e+01	7.1081e+02	1.0706e+03	8.1990e+01	5.2347e+06
	19th	2.1381e+01	7.4812e+02	1.1393e+03	8.2642e+01	5.7843e+06
	25^{th}(Worst)	2.1412e+01	7.7908e+02	1.1902e+03	8.4318e+01	6.3151e+06
	Mean	2.1340e+01	7.0372e+02	1.0681e+03	8.1263e+01	5.2193e+06
	Stdev	4.9438e-02	4.7675e+01	7.5490e+01	2.0296e+00	6.3063e+05
1e4	1^{st}(Best)	2.1177e+01	3.3568e+02	4.3945e+02	7.1377e+01	1.0698e+06
	7th	2.1241e+01	3.8891e+02	4.8746e+02	7.6031e+01	1.2572e+06
	13^{th}(Median)	2.1266e+01	4.1400e+02	4.9779e+02	7.7049e+01	1.3853e+06
	19th	2.1295e+01	4.2002e+02	5.1091e+02	7.8529e+01	1.4750e+06
	25^{th}(Worst)	2.1325e+01	4.4007e+02	5.4470e+02	7.9445e+01	1.7875e+06
	Mean	2.1262e+01	4.0328e+02	4.9657e+02	7.6993e+01	1.3776e+06
	Stdev	3.9045e-02	2.6849e+01	2.6137e+01	1.9817e+00	1.6366e+05
1e5	1^{st}(Best)	2.1129e+01	2.2507e+02	3.6858e+02	6.7509e+01	3.5476e+05
	7th	2.1175e+01	2.4433e+02	4.1547e+02	6.9722e+01	5.2385e+05
	13^{th}(Median)	2.1193e+01	2.5408e+02	4.2511e+02	7.1311e+01	5.7225e+05
	19th	2.1206e+01	2.6637e+02	4.3696e+02	7.1983e+01	6.5150e+05
	25^{th}(Worst)	2.1238e+01	2.9352e+02	4.5106e+02	7.3555e+01	7.6498e+05
	Mean	2.1189e+01	2.5633e+02	4.2308e+02	7.1001e+01	5.8964e+05
	Stdev	2.6463e-02	1.7239e+01	1.9257e+01	1.6847e+00	1.0449e+05
5e5	1^{st}(Best)	2.1072e+01	8.8899e+01	3.0865e+02	5.4083e+01	2.0241e+05
	7th	2.1119e+01	1.1575e+02	3.4040e+02	6.4703e+01	2.9243e+05
	13^{th}(Median)	2.1146e+01	1.3164e+02	3.6123e+02	6.8170e+01	3.1828e+05
	19th	2.1156e+01	1.4066e+02	3.8054e+02	6.8880e+01	3.7131e+05
	25^{th}(Worst)	2.1186e+01	1.5845e+02	4.0819e+02	7.1978e+01	4.5295e+05
	Mean	2.1141e+01	1.2901e+02	3.5894e+02	6.6708e+01	3.2249e+05
	Stdev	2.9454e-02	1.6647e+01	2.6463e+01	4.0845e+00	6.2355e+04

Table B.91   Typical - Set Values. $l = 50$. f13-18

FE		13	14	15	16	18
1e3	1st(Best)	2.5169e+05	2.3488e+01	9.4580e+02	6.9009e+02	1.2649e+03
	7th	3.1665e+05	2.3923e+01	1.0796e+03	7.6441e+02	1.3015e+03
	13th(Median)	3.7741e+05	2.4028e+01	1.1044e+03	8.1003e+02	1.3114e+03
	19th	4.9830e+05	2.4130e+01	1.1477e+03	9.0301e+02	1.3352e+03
	25th(Worst)	7.7053e+05	2.4254e+01	1.2114e+03	1.0197e+03	1.3891e+03
	Mean	4.1968e+05	2.3989e+01	1.1047e+03	8.3190e+02	1.3142e+03
	Stdev	1.4080e+05	2.1074e-01	6.0586e+01	8.9457e+01	2.8520e+01
1e4	1st(Best)	1.8097e+03	2.3110e+01	5.0023e+02	3.0494e+02	1.0103e+03
	7th	3.1034e+03	2.3541e+01	5.1798e+02	3.4285e+02	1.0299e+03
	13th(Median)	3.8557e+03	2.3660e+01	5.8376e+02	3.4689e+02	1.0399e+03
	19th	4.9056e+03	2.3751e+01	6.3265e+02	3.5452e+02	1.0508e+03
	25th(Worst)	6.9692e+03	2.3931e+01	6.9911e+02	4.9131e+02	1.0665e+03
	Mean	4.1079e+03	2.3630e+01	5.8310e+02	3.5149e+02	1.0410e+03
	Stdev	1.3988e+03	1.8171e-01	6.3570e+01	3.2346e+01	1.4011e+01
1e5	1st(Best)	1.4144e+02	2.2956e+01	4.6848e+02	2.5218e+02	9.6858e+02
	7th	1.9802e+02	2.3162e+01	4.7183e+02	2.8690e+02	9.7638e+02
	13th(Median)	2.4184e+02	2.3307e+01	4.7747e+02	2.9948e+02	9.8316e+02
	19th	3.2166e+02	2.3442e+01	5.3401e+02	3.0875e+02	9.9292e+02
	25th(Worst)	4.7448e+02	2.3573e+01	5.9717e+02	4.5308e+02	1.0176e+03
	Mean	2.6953e+02	2.3298e+01	5.0161e+02	3.0305e+02	9.8605e+02
	Stdev	1.0707e+02	1.6857e-01	4.1445e+01	3.4202e+01	1.3320e+01
5e5	1st(Best)	3.8448e+01	2.2524e+01	3.9185e+02	2.0872e+02	9.4599e+02
	7th	4.6899e+01	2.2866e+01	4.1019e+02	2.3767e+02	9.6050e+02
	13th(Median)	5.6231e+01	2.3002e+01	4.5463e+02	2.5211e+02	9.6820e+02
	19th	6.2491e+01	2.3166e+01	4.7565e+02	2.6562e+02	9.7517e+02
	25th(Worst)	8.1076e+01	2.3277e+01	5.1117e+02	4.3277e+02	1.0142e+03
	Mean	5.6048e+01	2.2973e+01	4.5165e+02	2.5803e+02	9.6941e+02
	Stdev	1.1382e+01	2.2611e-01	3.8238e+01	3.9832e+01	1.4350e+01

Table B.92   Typical - Set Values. $l = 50$. f19-23

FE		19	20	21	22	23
1e3	1st(Best)	1.2457e+03	1.2457e+03	1.3548e+03	1.3796e+03	1.3745e+03
	7th	1.2801e+03	1.2801e+03	1.3886e+03	1.4579e+03	1.3962e+03
	13th(Median)	1.3196e+03	1.3106e+03	1.4065e+03	1.5226e+03	1.4083e+03
	19th	1.3323e+03	1.3291e+03	1.4220e+03	1.5602e+03	1.4213e+03
	25th(Worst)	1.3665e+03	1.3611e+03	1.4448e+03	1.6384e+03	1.4379e+03
	Mean	1.3099e+03	1.3083e+03	1.4049e+03	1.5110e+03	1.4080e+03
	Stdev	3.2920e+01	3.1739e+01	2.2712e+01	6.4492e+01	1.7785e+01
1e4	1st(Best)	1.0085e+03	1.0085e+03	9.9984e+02	1.0613e+03	1.0274e+03
	7th	1.0333e+03	1.0368e+03	1.0509e+03	1.0923e+03	1.0529e+03
	13th(Median)	1.0440e+03	1.0440e+03	1.0776e+03	1.1040e+03	1.0769e+03
	19th	1.0592e+03	1.0592e+03	1.1099e+03	1.1092e+03	1.1222e+03
	25th(Worst)	1.0692e+03	1.0692e+03	1.1762e+03	1.1389e+03	1.2371e+03
	Mean	1.0456e+03	1.0463e+03	1.0784e+03	1.1009e+03	1.0934e+03
	Stdev	1.6741e+01	1.5631e+01	4.7211e+01	1.9157e+01	4.8815e+01
1e5	1st(Best)	9.6701e+02	9.6888e+02	7.0796e+02	1.0024e+03	7.4262e+02
	7th	9.8176e+02	9.8058e+02	7.3855e+02	1.0224e+03	7.8276e+02
	13th(Median)	9.8623e+02	9.8447e+02	7.8513e+02	1.0298e+03	8.2349e+02
	19th	9.8789e+02	9.8789e+02	8.1095e+02	1.0402e+03	8.4222e+02
	25th(Worst)	1.0064e+03	1.0064e+03	8.5318e+02	1.0524e+03	1.0635e+03
	Mean	9.8591e+02	9.8567e+02	7.8059e+02	1.0301e+03	8.2397e+02
	Stdev	7.7010e+00	8.3585e+00	4.3466e+01	1.2789e+01	6.0158e+01
5e5	1st(Best)	9.5674e+02	9.5812e+02	5.7180e+02	9.8239e+02	5.8089e+02
	7th	9.6821e+02	9.6396e+02	6.0554e+02	1.0074e+03	6.4208e+02
	13th(Median)	9.7431e+02	9.7098e+02	6.1903e+02	1.0158e+03	6.5181e+02
	19th	9.7706e+02	9.7431e+02	6.3098e+02	1.0221e+03	6.6619e+02
	25th(Worst)	9.8416e+02	9.7957e+02	6.5585e+02	1.0406e+03	9.8515e+02
	Mean	9.7240e+02	9.6930e+02	6.1882e+02	1.0157e+03	6.6611e+02
	Stdev	7.3398e+00	6.0877e+00	2.2556e+01	1.3506e+01	6.9213e+01

Table B.93 Typical - Self Adaptive. $l = 50$. f1-6

FE		1	2	3	5	6
1e3	1st(Best)	7.1209e+04	1.4302e+05	1.3442e+09	2.7657e+04	2.8605e+10
	7th	9.0403e+04	1.8406e+05	1.8538e+09	3.8248e+04	5.5010e+10
	13th(Median)	9.5690e+04	1.9804e+05	2.2524e+09	4.0432e+04	6.1962e+10
	19th	1.0287e+05	2.1637e+05	2.5288e+09	4.1938e+04	6.4583e+10
	25th(Worst)	1.1797e+05	2.6491e+05	4.0894e+09	4.4644e+04	8.9324e+10
	Mean	9.6069e+04	2.0139e+05	2.3302e+09	3.9477e+04	6.0818e+10
	Stdev	1.0151e+04	2.7931e+04	6.8633e+08	4.3094e+03	1.0433e+10
1e4	1st(Best)	3.4135e+03	4.2208e+04	1.6535e+08	1.4963e+04	2.1801e+08
	7th	4.5577e+03	5.6609e+04	2.4032e+08	1.8140e+04	3.8458e+08
	13th(Median)	6.0378e+03	6.6600e+04	3.0235e+08	2.0421e+04	6.9586e+08
	19th	6.9541e+03	7.2547e+04	3.3444e+08	2.1962e+04	1.0838e+09
	25th(Worst)	1.4200e+04	1.1330e+05	5.7932e+08	2.5690e+04	2.4508e+09
	Mean	6.3779e+03	6.9174e+04	3.1069e+08	2.0164e+04	8.5787e+08
	Stdev	2.5283e+03	1.7661e+04	1.0691e+08	2.7554e+03	5.2516e+08
1e5	1st(Best)	1.8986e+00	3.5556e+04	6.9482e+07	1.4742e+04	1.2859e+04
	7th	1.8999e+01	4.5876e+04	1.2098e+08	1.7545e+04	3.6749e+04
	13th(Median)	3.8395e+01	5.2948e+04	1.5489e+08	2.0123e+04	1.2428e+05
	19th	3.1027e+02	6.0981e+04	1.8145e+08	2.1168e+04	1.0818e+06
	25th(Worst)	3.1272e+03	9.1159e+04	2.8625e+08	2.3399e+04	5.8834e+07
	Mean	2.5377e+02	5.3739e+04	1.6020e+08	1.9350e+04	2.8600e+06
	Stdev	6.0960e+02	1.2451e+04	5.0910e+07	2.4785e+03	1.1446e+07
5e5	1st(Best)	2.6474e-01	2.8504e+04	3.9458e+07	1.4723e+04	7.0767e+02
	7th	2.8274e+00	3.5334e+04	6.9113e+07	1.7545e+04	4.1293e+03
	13th(Median)	4.6814e+00	4.4535e+04	9.2521e+07	2.0122e+04	7.3268e+03
	19th	1.1450e+01	4.8111e+04	1.1560e+08	2.1155e+04	1.9054e+04
	25th(Worst)	5.6013e+02	6.6487e+04	1.9125e+08	2.3355e+04	7.2493e+04
	Mean	4.1783e+01	4.2566e+04	9.3932e+07	1.9258e+04	1.3796e+04
	Stdev	1.1736e+02	9.3180e+03	3.3243e+07	2.4916e+03	1.6199e+04

Table B.94 Typical - Self Adaptive. $l = 50$. f8-12

FE		8	9	10	11	12
1e3	1st(Best)	2.1297e+01	6.2454e+02	9.2331e+02	7.6312e+01	4.4928e+06
	7th	2.1333e+01	6.8934e+02	1.0430e+03	8.0070e+01	5.0361e+06
	13th(Median)	2.1345e+01	7.3858e+02	1.1228e+03	8.1703e+01	5.2459e+06
	19th	2.1351e+01	7.6158e+02	1.1589e+03	8.2376e+01	5.7694e+06
	25th(Worst)	2.1429e+01	8.0297e+02	1.2801e+03	8.4291e+01	6.4714e+06
	Mean	2.1348e+01	7.2371e+02	1.1137e+03	8.1160e+01	5.3592e+06
	Stdev	3.4159e-02	4.8908e+01	9.0163e+01	1.9752e+00	4.8977e+05
1e4	1st(Best)	2.1214e+01	8.5930e+01	3.5834e+02	5.3122e+01	4.9170e+05
	7th	2.1257e+01	1.2714e+02	4.1676e+02	6.0019e+01	6.0949e+05
	13th(Median)	2.1280e+01	1.3788e+02	4.4221e+02	6.3858e+01	7.4116e+05
	19th	2.1301e+01	1.4280e+02	4.7609e+02	6.6777e+01	9.4399e+05
	25th(Worst)	2.1332e+01	1.6961e+02	5.9557e+02	7.0611e+01	1.4851e+06
	Mean	2.1280e+01	1.3664e+02	4.5296e+02	6.3515e+01	7.8948e+05
	Stdev	3.0577e-02	1.7383e+01	5.5778e+01	4.2897e+00	2.4194e+05
1e5	1st(Best)	2.0881e+01	1.3702e+00	9.9386e+01	4.7314e+01	9.9575e+04
	7th	2.1038e+01	8.6741e+00	2.1991e+02	5.8656e+01	1.6397e+05
	13th(Median)	2.1147e+01	1.3032e+01	2.5477e+02	6.0811e+01	2.0851e+05
	19th	2.1227e+01	2.1376e+01	3.8962e+02	6.5869e+01	2.7965e+05
	25th(Worst)	2.1275e+01	4.2406e+01	4.8943e+02	6.9532e+01	6.1877e+05
	Mean	2.1124e+01	1.7300e+01	2.9086e+02	6.1002e+01	2.3669e+05
	Stdev	1.1754e-01	1.2065e+01	1.0225e+02	5.4236e+00	1.1678e+05
5e5	1st(Best)	2.0869e+01	7.6197e-02	9.8123e+01	4.7314e+01	6.8975e+04
	7th	2.0995e+01	4.0509e-01	1.6504e+02	5.6183e+01	8.8106e+04
	13th(Median)	2.1112e+01	7.8360e-01	2.1762e+02	5.9698e+01	1.1121e+05
	19th	2.1180e+01	5.2747e+00	3.0566e+02	6.5382e+01	1.6501e+05
	25th(Worst)	2.1233e+01	2.2041e+01	4.2210e+02	6.9172e+01	3.7011e+05
	Mean	2.1084e+01	3.6297e+00	2.3992e+02	6.0281e+01	1.3561e+05
	Stdev	1.1618e-01	5.2708e+00	9.2489e+01	5.5232e+00	6.8185e+04

Table B.95 Typical - Self Adaptive. $l = 50$. f13-18

FE		13	14	15	16	18
1e3	1st(Best)	2.9415e+05	2.3315e+01	9.1120e+02	6.6341e+02	1.2676e+03
	7th	4.3560e+05	2.3876e+01	1.0178e+03	8.1878e+02	1.3118e+03
	13th(Median)	6.5023e+05	2.4003e+01	1.1160e+03	8.6820e+02	1.3348e+03
	19th	7.2786e+05	2.4148e+01	1.1677e+03	9.7834e+02	1.3607e+03
	25th(Worst)	1.0307e+06	2.4265e+01	1.2312e+03	1.0279e+03	1.3871e+03
	Mean	6.1816e+05	2.3992e+01	1.0944e+03	8.8022e+02	1.3348e+03
	Stdev	2.0824e+05	1.9669e-01	8.6357e+01	9.4813e+01	3.1977e+01
1e4	1st(Best)	3.0253e+02	2.3176e+01	4.0807e+02	2.4055e+02	1.0181e+03
	7th	4.9324e+02	2.3470e+01	4.7961e+02	2.7786e+02	1.0428e+03
	13th(Median)	8.5915e+02	2.3624e+01	4.8928e+02	3.0469e+02	1.0569e+03
	19th	1.5760e+03	2.3760e+01	5.0661e+02	3.8027e+02	1.0772e+03
	25th(Worst)	7.5645e+03	2.3933e+01	6.4292e+02	4.8133e+02	1.1775e+03
	Mean	1.5347e+03	2.3598e+01	4.9366e+02	3.3472e+02	1.0662e+03
	Stdev	1.6684e+03	2.0236e-01	4.4492e+01	7.8029e+01	3.5519e+01
1e5	1st(Best)	6.5233e+00	2.1286e+01	2.1434e+02	1.0393e+02	9.9158e+02
	7th	8.9957e+00	2.2738e+01	2.3978e+02	1.5436e+02	1.0346e+03
	13th(Median)	1.3973e+01	2.2880e+01	3.2981e+02	2.0627e+02	1.0440e+03
	19th	1.6419e+01	2.3144e+01	4.3973e+02	2.6548e+02	1.0670e+03
	25th(Worst)	8.3188e+01	2.3675e+01	4.4911e+02	4.2640e+02	1.1249e+03
	Mean	1.6885e+01	2.2790e+01	3.3655e+02	2.3177e+02	1.0495e+03
	Stdev	1.5522e+01	5.7418e-01	9.2289e+01	1.0204e+02	3.0704e+01
5e5	1st(Best)	3.8079e+00	2.1219e+01	2.0977e+02	8.7241e+01	9.9136e+02
	7th	6.0655e+00	2.2671e+01	2.2485e+02	1.3246e+02	1.0305e+03
	13th(Median)	7.3717e+00	2.2776e+01	3.1196e+02	1.8382e+02	1.0433e+03
	19th	9.5619e+00	2.3049e+01	4.0454e+02	2.1578e+02	1.0568e+03
	25th(Worst)	1.6900e+01	2.3591e+01	4.2290e+02	4.1794e+02	1.1249e+03
	Mean	8.1989e+00	2.2697e+01	3.1106e+02	2.0674e+02	1.0469e+03
	Stdev	3.3031e+00	5.6599e-01	8.5212e+01	1.0609e+02	2.9896e+01

Table B.96 Typical - Self Adaptive. $l = 50$. f19-23

FE		19	20	21	22	23
1e3	1st(Best)	1.2662e+03	1.2662e+03	1.3918e+03	1.3924e+03	1.3626e+03
	7th	1.3188e+03	1.3188e+03	1.4157e+03	1.5023e+03	1.4108e+03
	13th(Median)	1.3367e+03	1.3367e+03	1.4353e+03	1.5515e+03	1.4331e+03
	19th	1.3602e+03	1.3602e+03	1.4476e+03	1.6054e+03	1.4553e+03
	25th(Worst)	1.3815e+03	1.3815e+03	1.4863e+03	1.6890e+03	1.4768e+03
	Mean	1.3363e+03	1.3363e+03	1.4339e+03	1.5442e+03	1.4290e+03
	Stdev	2.8751e+01	2.8751e+01	2.3816e+01	7.2248e+01	2.9506e+01
1e4	1st(Best)	9.9964e+02	1.0171e+03	8.9679e+02	1.0708e+03	8.1589e+02
	7th	1.0417e+03	1.0417e+03	1.0768e+03	1.1028e+03	1.0431e+03
	13th(Median)	1.0526e+03	1.0526e+03	1.1272e+03	1.1202e+03	1.1351e+03
	19th	1.0934e+03	1.0934e+03	1.2317e+03	1.1329e+03	1.2227e+03
	25th(Worst)	1.1477e+03	1.1477e+03	1.2571e+03	1.1989e+03	1.2430e+03
	Mean	1.0659e+03	1.0674e+03	1.1425e+03	1.1203e+03	1.1108e+03
	Stdev	3.7758e+01	3.5786e+01	9.1793e+01	3.0645e+01	1.1695e+02
1e5	1st(Best)	9.7651e+02	9.9843e+02	5.0015e+02	9.8958e+02	5.3916e+02
	7th	1.0295e+03	1.0286e+03	5.0371e+02	1.0273e+03	5.4017e+02
	13th(Median)	1.0425e+03	1.0450e+03	5.0816e+02	1.0620e+03	5.5189e+02
	19th	1.0758e+03	1.0743e+03	1.2121e+03	1.0924e+03	1.2033e+03
	25th(Worst)	1.1359e+03	1.1408e+03	1.2537e+03	1.1595e+03	1.2380e+03
	Mean	1.0513e+03	1.0530e+03	7.9193e+02	1.0643e+03	7.6007e+02
	Stdev	3.5885e+01	3.3072e+01	3.5047e+02	4.6711e+01	3.0900e+02
5e5	1st(Best)	9.7651e+02	9.9843e+02	5.0001e+02	9.8958e+02	5.3915e+02
	7th	1.0295e+03	1.0285e+03	5.0027e+02	1.0273e+03	5.3920e+02
	13th(Median)	1.0407e+03	1.0402e+03	5.0168e+02	1.0620e+03	5.3986e+02
	19th	1.0704e+03	1.0704e+03	1.2113e+03	1.0924e+03	1.2032e+03
	25th(Worst)	1.1309e+03	1.1376e+03	1.2537e+03	1.1595e+03	1.2345e+03
	Mean	1.0499e+03	1.0509e+03	7.8850e+02	1.0643e+03	7.5287e+02
	Stdev	3.5204e+01	3.2709e+01	3.5257e+02	4.6711e+01	3.1189e+02

Appendix C
Ranking of Median Solutions

Table C.1 FE=10^3 - $l = 10$, f1-12

Parameter Setting	Mean	1	2	3	5	6	8	9	10	11	12
Predicted - Set Values	1.9	1.5	2.0	2.0	2.0	1.5	3.0	1.5	1.5	1.5	1.5
Drift - Set Values	1.9	1.5	2.0	2.0	2.0	1.5	3.0	1.5	1.5	1.5	1.5
Parameterless - Set Values	3.1	4.5	2.0	2.0	2.0	3.0	3.0	4.5	3.0	3.0	3.0
Parameterless - Self Adaptive	5.5	4.5	7.0	7.0	6.0	6.0	7.0	4.5	5.5	5.5	5.0
Drift - Self Adaptive	5.5	4.5	7.0	7.0	6.0	6.0	7.0	4.5	5.5	5.5	5.0
Predicted - Self Adaptive	5.5	4.5	7.0	7.0	6.0	6.0	7.0	4.5	5.5	5.5	5.0
Typical - Self Adaptive	5.9	7.5	4.0	4.5	6.0	6.0	3.0	7.0	5.5	5.5	7.5
Typical - Set Values	6.6	7.5	5.0	4.5	6.0	6.0	3.0	8.0	8.0	8.0	7.5

Table C.2 FE=10^3 - $l = 10$, f13-23

Parameter Setting	Mean	13	14	15	16	18	19	20	21	22	23
Predicted - Set Values	1.9	1.5	3.5	3.0	2.0	1.5	1.5	1.5	1.5	2.0	2.0
Drift - Set Values	1.9	1.5	3.5	3.0	2.0	1.5	1.5	1.5	1.5	2.0	2.0
Parameterless - Set Values	3.1	3.0	3.5	6.0	2.0	3.0	3.0	3.0	4.5	2.0	2.0
Parameterless - Self Adaptive	5.5	6.0	3.5	3.0	6.0	5.5	5.5	5.5	4.5	7.0	6.0
Drift - Self Adaptive	5.5	6.0	3.5	3.0	6.0	5.5	5.5	5.5	4.5	7.0	6.0
Predicted - Self Adaptive	5.5	6.0	3.5	3.0	6.0	5.5	5.5	5.5	4.5	7.0	6.0
Typical - Self Adaptive	5.9	6.0	7.5	7.5	6.0	5.5	5.5	5.5	7.5	4.5	6.0
Typical - Set Values	6.6	6.0	7.5	7.5	6.0	8.0	8.0	8.0	7.5	4.5	6.0

Table C.3 FE=10^3 - $l = 30$, f1-12

Parameter Setting	Mean	1	2	3	5	6	8	9	10	11	12
Predicted - Set Values	2.0	1.5	2.0	2.0	2.5	1.5	4.5	1.5	2.0	1.5	1.5
Drift - Set Values	2.0	1.5	2.0	2.0	2.5	1.5	4.5	1.5	2.0	1.5	1.5
Parameterless - Set Values	2.7	3.0	2.0	2.0	1.0	3.0	4.5	4.5	2.0	4.5	3.0
Parameterless - Self Adaptive	5.2	5.0	6.0	5.0	6.0	6.0	4.5	4.5	6.0	4.5	5.0
Drift - Self Adaptive	5.2	5.0	6.0	5.0	6.0	6.0	4.5	4.5	6.0	4.5	5.0
Predicted - Self Adaptive	5.2	5.0	6.0	5.0	6.0	6.0	4.5	4.5	6.0	4.5	5.0
Typical - Self Adaptive	6.8	8.0	6.0	7.5	6.0	6.0	4.5	7.5	6.0	7.5	7.5
Typical - Set Values	7.0	7.0	6.0	7.5	6.0	6.0	4.5	7.5	6.0	7.5	7.5

Table C.4 FE=10^3 - $l = 30$, f13-23

Parameter Setting	Mean	13	14	15	16	18	19	20	21	22	23
Predicted - Set Values	2.0	1.5	1.5	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Drift - Set Values	2.0	1.5	1.5	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Parameterless - Set Values	2.7	4.5	3.5	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Parameterless - Self Adaptive	5.2	4.5	6.5	5.0	5.5	5.0	5.0	5.0	5.0	5.0	5.0
Drift - Self Adaptive	5.2	4.5	6.5	5.0	5.5	5.0	5.0	5.0	5.0	5.0	5.0
Predicted - Self Adaptive	5.2	4.5	6.5	5.0	5.5	5.0	5.0	5.0	5.0	5.0	5.0
Typical - Self Adaptive	6.8	8.0	3.5	7.5	5.5	7.5	7.5	7.5	7.5	7.5	7.5
Typical - Set Values	7.0	7.0	6.5	7.5	8.0	7.5	7.5	7.5	7.5	7.5	7.5

Table C.5 FE=10^3 - $l = 50$, f1-12

Parameter Setting	Mean	1	2	3	5	6	8	9	10	11	12
Parameterless - Set Values	2.4	2.0	1.0	3.5	1.0	2.0	4.5	4.5	2.0	4.5	4.5
Predicted - Set Values	2.5	2.0	2.5	3.5	4.0	2.0	4.5	1.5	2.0	1.5	1.5
Drift - Set Values	2.5	2.0	2.5	3.5	4.0	2.0	4.5	1.5	2.0	1.5	1.5
Parameterless - Self Adaptive	4.7	5.0	6.0	3.5	4.0	5.0	4.5	4.5	5.0	4.5	4.5
Drift - Self Adaptive	4.7	5.0	6.0	3.5	4.0	5.0	4.5	4.5	5.0	4.5	4.5
Predicted - Self Adaptive	4.7	5.0	6.0	3.5	4.0	5.0	4.5	4.5	5.0	4.5	4.5
Typical - Set Values	7.1	7.5	6.0	7.5	7.5	7.0	4.5	7.5	7.5	7.5	7.5
Typical - Self Adaptive	7.5	7.5	6.0	7.5	7.5	8.0	4.5	7.5	7.5	7.5	7.5

Table C.6 FE=10^3 - $l = 50$, f13-23

Parameter Setting	Mean	13	14	15	16	18	19	20	21	22	23
Parameterless - Set Values	2.4	2.0	3.5	3.5	2.0	1.0	1.0	1.0	2.0	1.0	1.0
Predicted - Set Values	2.5	2.0	3.5	3.5	2.0	2.5	2.5	2.5	2.0	2.5	2.5
Drift - Set Values	2.5	2.0	3.5	3.5	2.0	2.5	2.5	2.5	2.0	2.5	2.5
Parameterless - Self Adaptive	4.7	5.0	3.5	3.5	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Drift - Self Adaptive	4.7	5.0	3.5	3.5	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Predicted - Self Adaptive	4.7	5.0	3.5	3.5	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Typical - Set Values	7.1	7.0	7.5	7.5	7.5	7.0	7.0	7.0	7.0	7.5	7.0
Typical - Self Adaptive	7.5	8.0	7.5	7.5	7.5	8.0	8.0	8.0	8.0	7.5	8.0

Table C.7 FE=10^4 - $l = 10$, f1-12

Parameter Setting	Mean	1	2	3	5	6	8	9	10	11	12
Predicted - Set Values	1.9	1.0	1.0	1.0	1.0	1.0	3.0	1.0	1.0	1.5	2.0
Drift - Set Values	3.0	2.0	3.5	3.5	3.0	2.5	3.0	3.0	2.0	1.5	2.0
Typical - Self Adaptive	3.5	4.0	3.5	3.5	3.0	4.5	3.0	5.5	3.5	3.0	2.0
Parameterless - Set Values	4.8	6.5	3.5	3.5	3.0	6.0	7.0	7.0	7.0	6.0	5.5
Predicted - Self Adaptive	5.1	6.5	3.5	3.5	5.5	7.5	7.0	5.5	3.5	7.5	5.5
Parameterless - Self Adaptive	5.3	4.0	7.5	7.0	5.5	2.5	3.0	3.0	5.5	4.5	5.5
Drift - Self Adaptive	5.4	4.0	7.5	7.0	7.5	4.5	7.0	3.0	5.5	4.5	5.5
Typical - Set Values	7.0	8.0	6.0	7.0	7.5	7.5	3.0	8.0	8.0	7.5	8.0

Table C.8 FE=10^4 - $l = 10$, f13-23

Parameter Setting	Mean	13	14	15	16	18	19	20	21	22	23
Predicted - Set Values	1.9	1.5	2.0	3.5	1.0	1.5	1.5	2.5	4.0	2.5	5.5
Drift - Set Values	3.0	1.5	5.5	3.5	2.0	4.0	4.0	2.5	4.0	2.5	5.5
Typical - Self Adaptive	3.5	3.0	2.0	3.5	3.5	4.0	4.0	6.0	4.0	2.5	1.5
Parameterless - Set Values	4.8	7.0	5.5	7.0	6.0	1.5	1.5	1.0	4.0	5.0	1.5
Predicted - Self Adaptive	5.1	5.0	8.0	3.5	3.5	4.0	4.0	6.0	4.0	2.5	5.5
Parameterless - Self Adaptive	5.3	5.0	5.5	3.5	6.0	7.0	7.0	6.0	4.0	8.0	5.5
Drift - Self Adaptive	5.4	5.0	2.0	3.5	6.0	7.0	7.0	6.0	4.0	6.5	5.5
Typical - Set Values	7.0	8.0	5.5	8.0	8.0	7.0	7.0	6.0	8.0	6.5	5.5

Table C.9 FE=10^4 - $l = 30$, f1-12

Parameter Setting	Mean	1	2	3	5	6	8	9	10	11	12
Predicted - Set Values	3.0	1.0	3.0	1.0	5.5	1.0	4.5	1.0	1.0	3.0	1.0
Drift - Set Values	3.5	2.0	3.0	3.0	5.5	2.0	4.5	4.0	2.0	1.0	2.5
Parameterless - Set Values	3.6	5.0	1.0	3.0	2.0	4.0	4.5	7.0	6.0	5.0	2.5
Typical - Self Adaptive	4.0	5.0	3.0	3.0	2.0	6.0	4.5	5.5	3.0	3.0	5.0
Drift - Self Adaptive	4.8	5.0	7.0	6.0	5.5	4.0	4.5	5.5	4.5	3.0	7.0
Predicted - Self Adaptive	5.1	5.0	7.0	6.0	5.5	7.5	4.5	2.5	4.5	6.5	5.0
Parameterless - Self Adaptive	5.5	5.0	7.0	6.0	8.0	4.0	4.5	2.5	8.0	6.5	5.0
Typical - Set Values	6.4	8.0	5.0	8.0	2.0	7.5	4.5	8.0	7.0	8.0	8.0

Table C.10 FE=10^4 - $l = 30$, f13-23

Parameter Setting	Mean	13	14	15	16	18	19	20	21	22	23
Predicted - Set Values	3.0	1.5	1.5	3.0	2.0	6.5	7.5	7.5	2.0	3.0	3.5
Drift - Set Values	3.5	1.5	4.0	3.0	2.0	6.5	7.5	7.5	2.0	3.0	3.5
Parameterless - Set Values	3.6	4.5	4.0	6.5	5.5	1.0	1.0	1.0	2.0	3.0	3.5
Typical - Self Adaptive	4.0	7.0	4.0	6.5	2.0	3.0	2.0	4.0	5.5	3.0	3.5
Drift - Self Adaptive	4.8	4.5	1.5	3.0	5.5	6.5	4.5	4.0	5.5	6.5	3.5
Predicted - Self Adaptive	5.1	4.5	8.0	3.0	5.5	6.5	4.5	4.0	5.5	3.0	3.5
Parameterless - Self Adaptive	5.5	4.5	6.5	3.0	8.0	3.0	4.5	4.0	5.5	8.0	7.5
Typical - Set Values	6.4	8.0	6.5	8.0	5.5	3.0	4.5	4.0	8.0	6.5	7.5

Table C.11 FE=10^4 - $l = 50$, f1-12

Parameter Setting	Mean	1	2	3	5	6	8	9	10	11	12
Parameterless - Set Values	3.0	5.5	1.0	2.0	1.5	3.5	4.0	6.5	5.5	3.5	2.5
Predicted - Set Values	3.3	1.0	5.0	2.0	6.0	1.0	4.0	1.0	2.0	2.0	1.0
Drift - Set Values	3.5	3.0	3.0	2.0	4.0	3.5	4.0	4.5	1.0	1.0	2.5
Drift - Self Adaptive	5.0	5.5	6.5	5.5	6.0	5.5	4.0	4.5	3.5	6.0	5.0
Typical - Self Adaptive	5.0	7.0	3.0	5.5	3.0	7.0	8.0	6.5	3.5	3.5	7.0
Predicted - Self Adaptive	5.2	3.0	6.5	5.5	6.0	5.5	4.0	2.5	7.0	6.0	5.0
Typical - Set Values	5.4	8.0	3.0	8.0	1.5	8.0	4.0	8.0	5.5	8.0	8.0
Parameterless - Self Adaptive	5.5	3.0	8.0	5.5	8.0	2.0	4.0	2.5	8.0	6.0	5.0

Table C.12   FE=10^4 - $l = 50$, f13-23

Parameter Setting	Mean	13	14	15	16	18	19	20	21	22	23
Parameterless - Set Values	3.0	4.0	3.0	5.0	5.5	1.0	1.0	1.0	1.0	3.0	1.0
Predicted - Set Values	3.3	1.0	3.0	1.5	2.5	8.0	7.5	5.5	5.0	1.5	5.0
Drift - Set Values	3.5	4.0	6.5	1.5	2.5	6.0	5.0	5.5	5.0	1.5	5.0
Drift - Self Adaptive	5.0	4.0	3.0	5.0	5.5	3.5	5.0	5.5	5.0	5.5	5.0
Typical - Self Adaptive	5.0	7.0	6.5	5.0	2.5	3.5	3.0	3.0	5.0	5.5	5.0
Predicted - Self Adaptive	5.2	4.0	3.0	5.0	7.0	6.0	5.0	5.5	5.0	7.5	5.0
Typical - Set Values	5.4	8.0	8.0	8.0	2.5	2.0	2.0	2.0	5.0	4.0	5.0
Parameterless - Self Adaptive	5.5	4.0	3.0	5.0	8.0	6.0	7.5	8.0	5.0	7.5	5.0

Table C.13   FE=10^5 - $l = 10$, f1-12

Parameter Setting	Mean	1	2	3	5	6	8	9	10	11	12
Predicted - Self Adaptive	3.0	3.5	1.5	1.0	1.5	5.0	7.5	3.5	3.0	4.0	2.5
Predicted - Set Values	3.5	3.5	1.5	2.5	1.5	2.0	3.5	1.0	1.0	1.5	1.0
Drift - Set Values	3.7	1.0	3.0	2.5	3.0	2.0	3.5	6.0	2.0	1.5	2.5
Drift - Self Adaptive	4.5	6.0	5.5	6.5	6.5	5.0	3.5	3.5	4.0	4.0	5.0
Parameterless - Set Values	4.8	7.0	4.0	4.0	4.5	7.0	3.5	7.0	6.5	6.5	7.0
Typical - Self Adaptive	5.0	3.5	5.5	6.5	6.5	5.0	7.5	3.5	5.0	4.0	5.0
Parameterless - Self Adaptive	5.3	3.5	7.5	6.5	4.5	2.0	3.5	3.5	6.5	6.5	5.0
Typical - Set Values	6.2	8.0	7.5	6.5	8.0	8.0	3.5	8.0	8.0	8.0	8.0

Table C.14   FE=10^5 - $l = 10$, f13-23

Parameter Setting	Mean	13	14	15	16	18	19	20	21	22	23
Predicted - Self Adaptive	3.0	1.0	8.0	3.5	3.0	1.5	1.5	1.5	2.0	3.0	2.0
Predicted - Set Values	3.5	6.0	2.0	7.5	1.5	7.5	6.0	6.5	6.0	3.0	5.5
Drift - Set Values	3.7	3.5	4.5	3.5	1.5	5.0	6.0	6.5	6.0	3.0	8.0
Drift - Self Adaptive	4.5	3.5	2.0	3.5	4.5	5.0	3.5	3.5	6.0	3.0	5.5
Parameterless - Set Values	4.8	7.0	6.5	3.5	6.5	1.5	1.5	1.5	2.0	6.0	2.0
Typical - Self Adaptive	5.0	3.5	2.0	3.5	4.5	5.0	8.0	6.5	6.0	3.0	5.5
Parameterless - Self Adaptive	5.3	3.5	4.5	3.5	6.5	7.5	6.0	6.5	6.0	8.0	5.5
Typical - Set Values	6.2	8.0	6.5	7.5	8.0	3.0	3.5	3.5	2.0	7.0	2.0

Table C.15 FE=10^5 - $l = 30$, f1-12

Parameter Setting	Mean	1	2	3	5	6	8	9	10	11	12
Predicted - Set Values	1.9	1.0	1.0	1.0	1.0	1.0	4.0	1.0	5.0	2.0	1.5
Drift - Set Values	2.5	2.0	2.5	2.0	2.5	3.0	4.0	6.0	1.0	1.0	1.5
Predicted - Self Adaptive	3.9	4.5	2.5	3.0	2.5	7.5	4.0	3.5	2.0	6.5	5.0
Drift - Self Adaptive	5.0	4.5	5.5	5.5	6.5	3.0	4.0	3.5	3.5	4.0	5.0
Typical - Self Adaptive	5.1	4.5	7.5	5.5	6.5	5.5	8.0	3.5	3.5	4.0	5.0
Parameterless - Set Values	5.2	7.0	4.0	5.5	4.5	5.5	4.0	7.0	6.5	4.0	5.0
Parameterless - Self Adaptive	5.8	4.5	7.5	5.5	8.0	3.0	4.0	3.5	6.5	6.5	5.0
Typical - Set Values	6.7	8.0	5.5	8.0	4.5	7.5	4.0	8.0	8.0	8.0	8.0

Table C.16 FE=10^5 - $l = 30$, f13-23

Parameter Setting	Mean	13	14	15	16	18	19	20	21	22	23
Predicted - Set Values	1.9	3.0	1.5	2.5	3.5	1.5	1.5	1.5	1.0	1.5	1.0
Drift - Set Values	2.5	1.0	6.0	2.5	1.5	1.5	1.5	1.5	4.5	1.5	2.0
Predicted - Self Adaptive	3.9	3.0	8.0	6.0	1.5	3.5	3.5	3.5	2.0	3.0	3.0
Drift - Self Adaptive	5.0	5.5	3.5	6.0	3.5	7.0	7.5	6.0	4.5	5.5	5.5
Typical - Self Adaptive	5.1	5.5	1.5	2.5	5.5	7.0	5.5	6.0	4.5	5.5	5.5
Parameterless - Set Values	5.2	7.0	3.5	6.0	7.5	3.5	3.5	3.5	4.5	5.5	5.5
Parameterless - Self Adaptive	5.8	3.0	6.0	2.5	7.5	7.0	7.5	8.0	7.5	8.0	5.5
Typical - Set Values	6.7	8.0	6.0	8.0	5.5	5.0	5.5	6.0	7.5	5.5	8.0

Table C.17 FE=10^5 - $l = 50$, f1-12

Parameter Setting	Mean	1	2	3	5	6	8	9	10	11	12
Predicted - Set Values	1.7	1.0	1.0	1.0	1.0	1.0	2.0	1.0	5.0	2.0	1.0
Drift - Set Values	3.0	2.0	2.0	2.0	2.5	2.0	6.0	6.0	1.0	1.0	2.0
Predicted - Self Adaptive	3.7	3.5	3.5	4.5	4.0	4.0	2.0	2.5	2.0	6.5	5.0
Drift - Self Adaptive	4.8	5.5	5.5	4.5	6.5	4.0	6.0	4.5	3.5	4.0	5.0
Parameterless - Set Values	5.0	7.0	3.5	4.5	5.0	6.5	6.0	7.0	6.0	4.0	5.0
Typical - Self Adaptive	5.2	5.5	7.0	7.5	6.5	6.5	2.0	4.5	3.5	4.0	5.0
Parameterless - Self Adaptive	6.0	3.5	8.0	4.5	8.0	4.0	6.0	2.5	8.0	6.5	5.0
Typical - Set Values	6.5	8.0	5.5	7.5	2.5	8.0	6.0	8.0	7.0	8.0	8.0

Table C.18   FE=10^5 - $l = 50$, f13-23

Parameter Setting	Mean	13	14	15	16	18	19	20	21	22	23
Predicted - Set Values	1.7	1.0	2.0	3.5	4.0	1.0	1.0	1.0	1.5	1.5	1.5
Drift - Set Values	3.0	2.5	7.0	3.5	1.5	5.0	2.5	2.5	4.0	1.5	4.5
Predicted - Self Adaptive	3.7	5.0	7.0	3.5	1.5	3.5	5.0	4.5	1.5	3.0	1.5
Drift - Self Adaptive	4.8	5.0	2.0	3.5	4.0	6.5	6.5	6.5	4.0	5.0	4.5
Parameterless - Set Values	5.0	7.0	4.5	7.0	6.5	2.0	2.5	2.5	4.0	5.0	4.5
Typical - Self Adaptive	5.2	5.0	2.0	3.5	4.0	6.5	6.5	6.5	7.0	7.0	4.5
Parameterless - Self Adaptive	6.0	2.5	4.5	3.5	8.0	8.0	8.0	8.0	7.0	8.0	7.5
Typical - Set Values	6.5	8.0	7.0	8.0	6.5	3.5	4.0	4.5	7.0	5.0	7.5

Table C.19   FE=3×10^5 - $l = 30$, f1-12

Parameter Setting	Mean	1	2	3	5	6	8	9	10	11	12
Drift - Set Values	2.5	1.0	1.0	1.0	3.0	1.5	4.0	6.0	1.0	1.0	1.5
Predicted - Set Values	2.5	2.0	3.0	2.0	1.0	1.5	4.0	1.0	6.0	2.0	1.5
Predicted - Self Adaptive	3.2	3.5	2.0	3.0	2.0	7.5	4.0	3.5	2.0	4.0	3.0
Drift - Self Adaptive	4.5	5.5	5.0	4.5	6.0	4.0	4.0	3.5	3.0	4.0	5.5
Parameterless - Set Values	5.1	7.0	4.0	7.0	4.5	6.0	4.0	7.0	6.0	4.0	5.5
Typical - Self Adaptive	5.8	5.5	8.0	4.5	7.5	4.0	8.0	3.5	4.0	6.5	5.5
Parameterless - Self Adaptive	5.8	3.5	6.5	7.0	7.5	4.0	4.0	3.5	6.0	6.5	5.5
Typical - Set Values	6.6	8.0	6.5	7.0	4.5	7.5	4.0	8.0	8.0	8.0	8.0

Table C.20   FE=3×10^5 - $l = 30$, f13-23

Parameter Setting	Mean	13	14	15	16	18	19	20	21	22	23
Drift - Set Values	2.5	2.5	6.0	3.5	1.5	2.5	2.5	2.5	3.5	1.0	2.5
Predicted - Set Values	2.5	5.0	1.5	3.5	3.5	2.5	2.5	2.5	1.0	2.5	2.5
Predicted - Self Adaptive	3.2	1.0	8.0	3.5	1.5	2.5	2.5	2.5	3.5	2.5	2.5
Drift - Self Adaptive	4.5	5.0	1.5	3.5	3.5	6.5	7.0	7.0	3.5	4.0	2.5
Parameterless - Set Values	5.1	7.0	3.5	7.0	6.0	2.5	2.5	2.5	3.5	6.0	6.5
Typical - Self Adaptive	5.8	5.0	3.5	3.5	6.0	8.0	7.0	7.0	6.5	6.0	6.5
Parameterless - Self Adaptive	5.8	2.5	6.0	3.5	8.0	6.5	7.0	7.0	8.0	8.0	6.5
Typical - Set Values	6.6	8.0	6.0	8.0	6.0	5.0	5.0	5.0	6.5	6.0	6.5

Table C.21 FE=5×10^5 - $l = 50$, f1-12

Parameter Setting	Mean	1	2	3	5	6	8	9	10	11	12
Predicted - Set Values	2.5	2.0	3.0	2.0	1.0	1.0	4.0	1.0	6.0	2.0	1.5
Drift - Set Values	2.5	1.0	1.0	1.0	2.0	2.5	4.0	6.0	3.5	1.0	1.5
Predicted - Self Adaptive	3.0	3.5	2.0	3.0	3.0	4.5	1.0	2.5	1.0	4.5	4.5
Drift - Self Adaptive	4.3	5.5	4.5	4.5	5.5	6.5	4.0	4.5	2.0	4.5	4.5
Parameterless - Self Adaptive	5.4	3.5	7.0	4.5	7.5	2.5	4.0	2.5	6.0	4.5	4.5
Parameterless - Set Values	5.7	7.0	4.5	7.0	5.5	6.5	7.5	7.0	6.0	4.5	7.0
Typical - Self Adaptive	5.9	5.5	8.0	7.0	7.5	4.5	4.0	4.5	3.5	7.0	4.5
Typical - Set Values	6.7	8.0	6.0	7.0	4.0	8.0	7.5	8.0	8.0	8.0	8.0

Table C.22 FE=5×10^5 - $l = 50$, f13-23

Parameter Setting	Mean	13	14	15	16	18	19	20	21	22	23
Predicted - Set Values	2.5	7.0	1.5	4.0	4.5	1.0	1.5	1.5	1.0	2.5	1.5
Drift - Set Values	2.5	2.5	7.0	4.0	2.5	2.5	1.5	1.5	3.0	1.0	1.5
Predicted - Self Adaptive	3.0	1.0	7.0	4.0	1.0	2.5	3.0	3.0	3.0	2.5	3.5
Drift - Self Adaptive	4.3	4.5	1.5	4.0	2.5	6.0	6.0	6.0	3.0	4.0	3.5
Parameterless - Self Adaptive	5.4	2.5	4.0	4.0	8.0	7.5	7.5	7.5	7.5	6.0	7.0
Parameterless - Set Values	5.7	6.0	4.0	4.0	6.5	4.5	4.5	4.5	5.5	6.0	5.0
Typical - Self Adaptive	5.9	4.5	4.0	4.0	4.5	7.5	7.5	7.5	7.5	8.0	7.0
Typical - Set Values	6.7	8.0	7.0	8.0	6.5	4.5	4.5	4.5	5.5	6.0	7.0

Appendix D
Woronora Results

Table D.1   Predicted - Set Values

FE			1	2	3	4
5e3		1^{st}(Best)	1.1385e+03	1.1534e+02	1.1882e+03	1.4445e+02
		4th	1.1488e+03	1.2888e+02	1.2064e+03	1.5565e+02
		7^{th}(Median)	1.1593e+03	1.4279e+02	1.2161e+03	1.6436e+02
		10th	1.1765e+03	1.4859e+02	1.2644e+03	1.7380e+02
		13^{th}(Worst)	1.1916e+03	1.5793e+02	1.3899e+03	2.1226e+02
		Mean	1.1633e+03	1.4022e+02	1.2389e+03	1.6717e+02
		Stdev	1.5487e+01	1.2079e+01	5.3019e+01	1.6553e+01
1e4		1^{st}(Best)	1.1321e+03	1.2168e+02	1.1917e+03	1.4351e+02
		4th	1.1642e+03	1.2465e+02	1.2128e+03	1.5377e+02
		7^{th}(Median)	1.1813e+03	1.3163e+02	1.2278e+03	1.5639e+02
		10th	1.2126e+03	1.4033e+02	1.2689e+03	1.6290e+02
		13^{th}(Worst)	1.2820e+03	1.4802e+02	1.3013e+03	2.3044e+02
		Mean	1.1924e+03	1.3338e+02	1.2406e+03	1.6251e+02
		Stdev	4.2338e+01	8.7978e+00	3.3484e+01	2.0995e+01
1e5		1^{st}(Best)	1.1348e+03	1.1372e+02	1.1392e+03	1.4084e+02
		4th	1.1367e+03	1.2003e+02	1.1633e+03	1.4472e+02
		7^{th}(Median)	1.1472e+03	1.2529e+02	1.1683e+03	1.5288e+02
		10th	1.1509e+03	1.2736e+02	1.1829e+03	1.5748e+02
		13^{th}(Worst)	1.1608e+03	1.4313e+02	1.2116e+03	1.6473e+02
		Mean	1.1452e+03	1.2489e+02	1.1745e+03	1.5206e+02
		Stdev	7.8894e+00	7.1896e+00	2.1989e+01	7.6284e+00

Table D.2 Rogers - Set Values

FE		1	2	3	4
5e3	1st(Best)	1.1410e+03	1.1817e+02	1.2306e+03	1.5869e+02
	4th	1.1727e+03	1.3344e+02	1.2531e+03	1.7262e+02
	7th(Median)	1.1941e+03	1.3742e+02	1.2865e+03	1.7755e+02
	10th	1.2031e+03	1.5357e+02	1.3538e+03	1.9261e+02
	13th(Worst)	1.2559e+03	1.8350e+02	1.4948e+03	2.4478e+02
	Mean	1.1937e+03	1.4493e+02	1.3100e+03	1.8642e+02
	Stdev	2.8467e+01	1.9284e+01	7.4479e+01	2.1951e+01
1e4	1st(Best)	1.1505e+03	1.1771e+02	1.2136e+03	1.4724e+02
	4th	1.1615e+03	1.2408e+02	1.2216e+03	1.6301e+02
	7th(Median)	1.1757e+03	1.3527e+02	1.2275e+03	1.7043e+02
	10th	1.1947e+03	1.4384e+02	1.2539e+03	1.8246e+02
	13th(Worst)	1.1978e+03	1.6915e+02	1.5327e+03	2.1144e+02
	Mean	1.1771e+03	1.3691e+02	1.2610e+03	1.7312e+02
	Stdev	1.6481e+01	1.4962e+01	8.3144e+01	1.7846e+01
1e5	1st(Best)	1.1297e+03	1.1260e+02	1.1601e+03	1.4085e+02
	4th	1.1362e+03	1.1965e+02	1.1660e+03	1.4695e+02
	7th(Median)	1.1407e+03	1.2150e+02	1.1776e+03	1.5512e+02
	10th	1.1447e+03	1.2676e+02	1.1824e+03	1.5690e+02
	13th(Worst)	1.1497e+03	1.3203e+02	1.1992e+03	1.6532e+02
	Mean	1.1404e+03	1.2281e+02	1.1786e+03	1.5324e+02
	Stdev	6.2345e+00	5.7887e+00	1.2303e+01	7.6902e+00

Table D.3 Parameterless - Set Values

FE		1	2	3	4
5e3	1st(Best)	1.1566e+03	1.2939e+02	1.1999e+03	1.4940e+02
	4th	1.1722e+03	1.4482e+02	1.2150e+03	1.6025e+02
	7th(Median)	1.1909e+03	1.4905e+02	1.2241e+03	1.6624e+02
	10th	1.1970e+03	1.5910e+02	1.2613e+03	1.7480e+02
	13th(Worst)	1.2151e+03	1.9673e+02	1.3585e+03	1.9630e+02
	Mean	1.1858e+03	1.5261e+02	1.2450e+03	1.7003e+02
	Stdev	1.7733e+01	1.6677e+01	4.6272e+01	1.3522e+01
1e4	1st(Best)	1.1345e+03	1.2323e+02	1.1829e+03	1.5486e+02
	4th	1.1456e+03	1.3209e+02	1.2040e+03	1.5843e+02
	7th(Median)	1.1648e+03	1.4009e+02	1.2221e+03	1.6024e+02
	10th	1.1784e+03	1.4252e+02	1.2597e+03	1.6250e+02
	13th(Worst)	1.2471e+03	1.6060e+02	1.3078e+03	1.6954e+02
	Mean	1.1683e+03	1.3849e+02	1.2319e+03	1.6153e+02
	Stdev	3.0389e+01	9.5036e+00	3.7022e+01	4.5486e+00
1e5	1st(Best)	1.1333e+03	1.1478e+02	1.1386e+03	1.3835e+02
	4th	1.1400e+03	1.1844e+02	1.1648e+03	1.4149e+02
	7th(Median)	1.1511e+03	1.2107e+02	1.1684e+03	1.4404e+02
	10th	1.1571e+03	1.2542e+02	1.1761e+03	1.4978e+02
	13th(Worst)	1.1913e+03	1.4547e+02	1.2111e+03	1.5395e+02
	Mean	1.1519e+03	1.2311e+02	1.1708e+03	1.4532e+02
	Stdev	1.4868e+01	7.5799e+00	1.6092e+01	5.0008e+00

Table D.4   Typical - Set Values

FE		1	2	3	4
5e3	1st(Best)	1.1912e+03	1.3525e+02	1.2651e+03	1.7465e+02
	4th	1.2037e+03	1.4849e+02	1.3098e+03	1.8484e+02
	7th(Median)	1.2196e+03	1.5472e+02	1.3262e+03	1.9271e+02
	10th	1.2479e+03	1.6770e+02	1.3452e+03	2.0476e+02
	13th(Worst)	1.2880e+03	1.7313e+02	1.4061e+03	2.2562e+02
	Mean	1.2275e+03	1.5535e+02	1.3268e+03	1.9563e+02
	Stdev	3.1081e+01	1.2106e+01	3.6967e+01	1.5076e+01
1e4	1st(Best)	1.1714e+03	1.2772e+02	1.2050e+03	1.6632e+02
	4th	1.1818e+03	1.3595e+02	1.2167e+03	1.7300e+02
	7th(Median)	1.1888e+03	1.3859e+02	1.2244e+03	1.7575e+02
	10th	1.1969e+03	1.4131e+02	1.2366e+03	1.8094e+02
	13th(Worst)	1.2206e+03	1.4865e+02	1.2857e+03	1.8510e+02
	Mean	1.1928e+03	1.3850e+02	1.2303e+03	1.7649e+02
	Stdev	1.4252e+01	5.9597e+00	2.2284e+01	5.3060e+00
1e5	1st(Best)	1.1342e+03	1.2021e+02	1.1457e+03	1.3720e+02
	4th	1.1487e+03	1.2423e+02	1.1645e+03	1.4843e+02
	7th(Median)	1.1526e+03	1.2623e+02	1.1722e+03	1.5332e+02
	10th	1.1574e+03	1.2841e+02	1.1774e+03	1.5790e+02
	13th(Worst)	1.1700e+03	1.3603e+02	1.1830e+03	1.6201e+02
	Mean	1.1527e+03	1.2642e+02	1.1698e+03	1.5239e+02
	Stdev	9.6594e+00	3.8106e+00	1.0402e+01	7.0400e+00

Table D.5 Predicted - Self Adaptive

FE		1	2	3	4
5e3	1st(Best)	1.1937e+03	1.4179e+02	1.2116e+03	1.4093e+02
	4th	1.2392e+03	1.5752e+02	1.3110e+03	1.8358e+02
	7th(Median)	1.3729e+03	1.7996e+02	1.3917e+03	2.0058e+02
	10th	1.5123e+03	2.0648e+02	1.5885e+03	2.2342e+02
	13th(Worst)	1.6141e+03	3.0526e+02	1.8152e+03	2.3970e+02
	Mean	1.3772e+03	1.9304e+02	1.4662e+03	1.9590e+02
	Stdev	1.4509e+02	4.7928e+01	2.0242e+02	2.9363e+01
1e4	1st(Best)	1.1552e+03	1.2742e+02	1.1780e+03	1.4297e+02
	4th	1.1817e+03	1.3826e+02	1.2252e+03	1.5868e+02
	7th(Median)	1.2116e+03	1.4942e+02	1.2603e+03	1.7138e+02
	10th	1.4333e+03	1.6386e+02	1.3180e+03	1.7910e+02
	13th(Worst)	1.5872e+03	2.4608e+02	1.5954e+03	2.9247e+02
	Mean	1.2997e+03	1.5599e+02	1.2946e+03	1.8201e+02
	Stdev	1.5586e+02	2.9830e+01	1.0458e+02	4.2029e+01
1e5	1st(Best)	1.1298e+03	1.1595e+02	1.1504e+03	1.4166e+02
	4th	1.1451e+03	1.1917e+02	1.1619e+03	1.4750e+02
	7th(Median)	1.1537e+03	1.2147e+02	1.1815e+03	1.5386e+02
	10th	1.1590e+03	1.2313e+02	1.1921e+03	1.5670e+02
	13th(Worst)	1.1892e+03	1.3769e+02	1.2084e+03	1.7057e+02
	Mean	1.1556e+03	1.2294e+02	1.1799e+03	1.5291e+02
	Stdev	1.7467e+01	6.4824e+00	1.8103e+01	7.4112e+00

Table D.6 Rogers - Self Adaptive

FE		1	2	3	4
5e3	1st(Best)	1.1730e+03	1.2856e+02	1.2324e+03	1.4311e+02
	4th	1.1921e+03	1.4772e+02	1.2770e+03	1.6637e+02
	7th(Median)	1.2718e+03	1.5250e+02	1.3207e+03	1.7927e+02
	10th	1.4087e+03	1.6589e+02	1.3375e+03	1.9909e+02
	13th(Worst)	1.7878e+03	1.7647e+02	1.7680e+03	2.9948e+02
	Mean	1.3304e+03	1.5493e+02	1.3942e+03	1.9102e+02
	Stdev	1.6613e+02	1.3045e+01	1.7630e+02	4.2111e+01
1e4	1st(Best)	1.1684e+03	1.2439e+02	1.1691e+03	1.5329e+02
	4th	1.1875e+03	1.3450e+02	1.2087e+03	1.6918e+02
	7th(Median)	1.2103e+03	1.4204e+02	1.2270e+03	1.8137e+02
	10th	1.3979e+03	1.5510e+02	1.2507e+03	1.9995e+02
	13th(Worst)	1.4570e+03	2.2931e+02	1.6478e+03	2.6170e+02
	Mean	1.2731e+03	1.5249e+02	1.2549e+03	1.9059e+02
	Stdev	1.0564e+02	2.9424e+01	1.1669e+02	3.0545e+01
1e5	1st(Best)	1.1419e+03	1.1684e+02	1.1512e+03	1.4086e+02
	4th	1.1462e+03	1.2056e+02	1.1681e+03	1.4809e+02
	7th(Median)	1.1525e+03	1.2357e+02	1.1780e+03	1.5117e+02
	10th	1.1608e+03	1.3124e+02	1.1842e+03	1.6837e+02
	13th(Worst)	1.1704e+03	1.4949e+02	1.2180e+03	1.9744e+02
	Mean	1.1537e+03	1.2768e+02	1.1792e+03	1.5930e+02
	Stdev	8.8318e+00	1.0423e+01	1.8161e+01	1.5669e+01

Table D.7 Parameterless - Self Adaptive

FE		1	2	3	4
5e3	1st(Best)	1.1937e+03	1.4179e+02	1.2116e+03	1.4093e+02
	4th	1.2392e+03	1.5752e+02	1.3110e+03	1.8358e+02
	7th(Median)	1.3729e+03	1.7996e+02	1.3917e+03	2.0058e+02
	10th	1.5123e+03	2.0648e+02	1.5885e+03	2.2342e+02
	13th(Worst)	1.6141e+03	3.0526e+02	1.8152e+03	2.3970e+02
	Mean	1.3772e+03	1.9304e+02	1.4662e+03	1.9590e+02
	Stdev	1.4509e+02	4.7928e+01	2.0242e+02	2.9363e+01
1e4	1st(Best)	1.1632e+03	1.2168e+02	1.1954e+03	1.4773e+02
	4th	1.1716e+03	1.3951e+02	1.2251e+03	1.6130e+02
	7th(Median)	1.1970e+03	1.4661e+02	1.2618e+03	1.7262e+02
	10th	1.2274e+03	1.6106e+02	1.5009e+03	1.9838e+02
	13th(Worst)	1.2695e+03	2.2852e+02	1.6591e+03	2.4579e+02
	Mean	1.2015e+03	1.5702e+02	1.3627e+03	1.8060e+02
	Stdev	3.3511e+01	2.9058e+01	1.5947e+02	2.7512e+01
1e5	1st(Best)	1.1270e+03	1.2125e+02	1.1506e+03	1.3935e+02
	4th	1.1420e+03	1.3479e+02	1.1688e+03	1.5040e+02
	7th(Median)	1.1454e+03	1.4134e+02	1.1907e+03	1.5693e+02
	10th	1.1623e+03	1.5104e+02	1.2088e+03	1.6838e+02
	13th(Worst)	1.1832e+03	1.6371e+02	1.3228e+03	2.2140e+02
	Mean	1.1507e+03	1.4278e+02	1.1969e+03	1.6207e+02
	Stdev	1.7006e+01	1.3220e+01	4.2085e+01	2.0630e+01

Table D.8   Typical - Self Adaptive

FE		1	2	3	4
5e3	1st(Best)	1.2071e+03	1.2511e+02	1.3082e+03	1.5334e+02
	4th	1.2870e+03	1.3442e+02	1.4171e+03	1.6776e+02
	7th(Median)	1.3064e+03	1.3815e+02	1.5036e+03	1.7594e+02
	10th	1.4318e+03	1.5353e+02	1.5919e+03	1.8743e+02
	13th(Worst)	1.5694e+03	1.6565e+02	1.7208e+03	2.2894e+02
	Mean	1.3517e+03	1.4249e+02	1.5010e+03	1.8052e+02
	Stdev	1.0671e+02	1.2504e+01	1.1556e+02	2.0649e+01
1e4	1st(Best)	1.1320e+03	1.2513e+02	1.1797e+03	1.4271e+02
	4th	1.1622e+03	1.3159e+02	1.2569e+03	1.4945e+02
	7th(Median)	1.1717e+03	1.3785e+02	1.2734e+03	1.5881e+02
	10th	1.1939e+03	1.4044e+02	1.3792e+03	1.6545e+02
	13th(Worst)	1.4069e+03	1.4961e+02	1.4793e+03	2.1119e+02
	Mean	1.2059e+03	1.3677e+02	1.3150e+03	1.6379e+02
	Stdev	8.3533e+01	6.4328e+00	9.6366e+01	1.9377e+01
1e5	1st(Best)	1.1293e+03	1.1968e+02	1.1482e+03	1.3300e+02
	4th	1.1367e+03	1.2220e+02	1.1664e+03	1.4137e+02
	7th(Median)	1.1444e+03	1.2529e+02	1.1814e+03	1.4862e+02
	10th	1.1518e+03	1.3544e+02	1.1838e+03	1.6270e+02
	13th(Worst)	1.1623e+03	1.4683e+02	1.3073e+03	2.0546e+02
	Mean	1.1448e+03	1.2952e+02	1.1851e+03	1.5406e+02
	Stdev	1.0179e+01	8.9984e+00	3.7827e+01	1.9229e+01